



Research Aid

Free World Oil Refineries

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FREE WORLD OIL REFINERIES

DISCUSSION

This research aid is a compendium of the crude capacity and ownership for all petroleum refineries in the Free World (Appendix Tables 1-4), based on data available as of 1 September 1975. It updates an earlier version - *World Oil Refineries* (A(ER) 74-61, June 1974) -- which treated the same subject as of 1 January 1974. The tables were derived from unrounded data; therefore, some discrepancies may appear to exist between volume and percent of capacity.

Free World crude refining capacity reached a record 58.9 million b/d on 1 September 1975, an increase of 8% over the 20-month period since 1 January 1974. Growth is expected to continue at a reduced rate, the industry being faced in the short run with stagnant product demand of approximately 46 million b/d. The United States, Western Europe, and Japan have 69% of Free World refining capacity, unchanged from 20 months ago.

International Oil Companies and Private Owners

The seven major international oil companies own 25.3 million b/d of refining capacity, or 43% of the Free World total. This represents only a slight increase in absolute capacity (581,000 b/d) in the past 20 months and a decline of 2 percentage points in share of Free World capacity. The best growth was registered by Royal Dutch/Shell (5%); Exxon, the largest of the majors, had little change; and Gulf Oil was the only major to experience a decline in capacity (3%).

Other international oil companies - with equity in foreign production and/or refining operations - have ownership of 9.4 million b/d, or 16% of Free World refining capacity. As a group, these firms have accounted for 23% of the additions to Free World capacity since 1 January 1974. All but one of these firms (Ultramar) have managed to retain or expand capacity in this period. The 11% growth in indigenous private ownership paralleled the growth of the smaller international firms. Private domestic investors have equity in 14.6 million b/d of refining capacity, 25% of the Free World total.

Government Ownership

The public sector represents the most rapidly growing segment of ownership of refining capacity, now constituting approximately one-sixth of the Free World

Free World Refining Capacity¹

| | 1 January 1974 | | 1 September 1975 | | Percent Increase |
|-----------------------------------|----------------|---------|------------------|---------|------------------|
| | Thousand b/d | Percent | Thousand b/d | Percent | |
| Total | 54,765 | 100.0 | 58,921 | 100.0 | 7.6 |
| Major international oil companies | 24,740 | 45.2 | 25,321 | 43.0 | 2.3 |
| Exxon Corp. | 6,535 | 11.9 | 6,555 | 11.1 | 0.3 |
| Royal Dutch/Shell | 5,370 | 9.8 | 5,660 | 9.6 | 5.4 |
| Texaco Inc. | 3,075 | 5.6 | 3,190 | 5.4 | 3.7 |
| British Petroleum Co. | 2,825 | 5.2 | 2,923 | 5.0 | 3.5 |
| Mobil Oil Corp. | 2,505 | 4.6 | 2,544 | 4.3 | 1.6 |
| Standard Oil Co. of California | 2,465 | 4.5 | 2,536 | 4.3 | 2.9 |
| Gulf Oil Corp. | 1,965 | 3.6 | 1,913 | 3.2 | -2.6 |
| Other international oil companies | 8,435 | 15.4 | 9,387 | 15.9 | 11.3 |
| Indigenous private firms | 13,130 | 24.0 | 14,577 | 24.7 | 11.0 |
| Governments | 8,460 | 15.4 | 9,636 | 16.4 | 13.9 |
| OPEC | 1,885 | 3.4 | 2,479 | 4.2 | 31.6 |
| Non-OPEC | 6,575 | 12.0 | 7,157 | 12.1 | 8.8 |

1. Calculated on basis of equity ownership.

total. Since 1 January 1974, government ownership of refinery capacity increased by 14%. About one-third of this increased public equity was achieved through nationalization measures and the remainder by public investment in plant construction and expansion.

OPEC countries, which provide two-thirds of the Free World supply of crude oil, house only 4.5 million b/d in refinery capacity, 8% of the Free World total. At maximum levels, the OPEC states are capable of processing about one-sixth of the 27 million b/d of crude they produced over the first 8 months of 1975. Only in Venezuela — the largest refining state in the cartel, with one-third of the OPEC capacity — can the refineries handle a major portion of national crude production.

Ownership patterns in OPEC countries are shifting markedly. Governments now have equity interest in 55% of refinery capacity, compared with 44% at the end of 1973. As of 1 January 1976, when Venezuela completes 100% of nationalization of its oil industry, OPEC governments will own 89% of the refining capacity within their borders.

British Petroleum Co. and Cie. Francaise des Petroles are treated as being within the private sector because they operate like private companies, notwithstanding the important government share in ownership.

US Corporations

US companies occupy a commanding position in worldwide ownership of oil refineries, with a capacity of 28 million b/d, or 47% of the non-Communist total. The five US international majors alone own 28%. Although US companies are most dominant in the United States, where they own 92% of the capacity, they also own 32% of the total outside the United States – in Western Europe, 31%; Japan, 21%; and Canada, 49%.

OPEC Countries: Crude Oil Refining Capacity
1 September 1975

| | Total Capacity | Government Share | Thousand b/d |
|----------------------|----------------|------------------|--------------|
| Total | 4,482 | 2,479 | |
| Algeria | 115 | 115 | |
| Ecuador | 44 | 5 | |
| Gabon | 17 | 1 | |
| Indonesia | 424 | 424 | |
| Iran | 789 | 807 ¹ | |
| Iraq | 169 | 168 | |
| Kuwait | 646 | 438 | |
| Libya | 68 | 60 | |
| Nigeria | 60 | 36 | |
| Qatar | 7 | 7 | |
| Saudi Arabia | 611 | 388 | |
| United Arab Emirates | .... | .... |  |
| Venezuela | 1,532 | 30 | |

1. Includes 18,000 b/d in India and South Africa.

Refining Capacity Versus Sources of Crude

The seven majors, which own 43% of Free World refining capacity, have commitments for crude considerably in excess of their refining capacity. All majors own controlling equity in refineries in which minority shares are held by the public or local governments. In these cases, the majors provide most of the crude oil. In many refineries the majors have only part equity ownership but have supply contracts for all the crude oil. Under Japanese law, for example, local interests

must own at least 50% equity in domestic refineries. Japan has refining capacity of about 5.7 million b/d, of which the majors have a 1.2 million b/d equity share. They supply practically all of the crude oil for jointly owned refineries as well as substantial amounts for other facilities. They account for about 65% of all Japanese imports of crude oil.

APPENDIX TABLES

Table 1

Free World: Crude Oil Refining Capacity, by Country
1 September 1975

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|-------------------------------|--|------------------|
| Total..... | 58,921.1 | 100.00 |
| Eastern Hemisphere..... | 34,162.1 | 57.98 |
| Middle East..... | 2,965.8 | 5.03 |
| Bahrain..... | 250.0 | 0.42 |
| Iran..... | 789.0 | 1.34 |
| Iraq..... | 168.5 | 0.29 |
| Israel..... | 201.0 | 0.34 |
| Jordan..... | 21.2 | 0.04 |
| Kuwait..... | 646.0 | 1.10 |
| Lebanon..... | 53.5 | 0.09 |
| Qatar..... | 6.8 | 0.01 |
| Saudi Arabia..... | 611.0 | 1.04 |
| South Yemen..... | 169.1 | 0.29 |
| Syria..... | 49.7 | 0.08 |
| Africa..... | 1,289.0 | 2.19 |
| Algeria..... | 115.3 | 0.20 |
| Angola..... | 35.7 | 0.06 |
| Egypt..... | 180.0 | 0.31 |
| Ethiopia..... | 14.4 | 0.02 |
| Gabon..... | 17.0 | 0.03 |
| Ghana..... | 28.0 | 0.05 |
| Ivory Coast..... | 43.0 | 0.07 |
| Kenya..... | 80.0 | 0.14 |
| Liberia..... | 11.0 | 0.02 |
| Libya..... | 68.0 | 0.12 |
| Malagasy Republic..... | 15.0 | 0.03 |
| Morocco..... | 58.6 | 0.10 |
| Mozambique..... | 17.0 | 0.03 |
| Nigeria..... | 60.0 | 0.10 |
| Republic of South Africa..... | 397.1 | 0.67 |
| Rhodesia..... | 20.0 | 0.03 |
| Senegal..... | 15.0 | 0.03 |
| Sierra Leone..... | 10.0 | 0.02 |
| Sudan..... | 22.0 | 0.04 |
| Tanzania..... | 16.1 | 0.03 |
| Tunisia..... | 25.0 | 0.04 |
| Zaire..... | 16.2 | 0.03 |
| Zambia..... | 24.6 | 0.04 |
| Far East and Oceania..... | 9,890.4 | 16.79 |
| Australia..... | 722.1 | 1.23 |
| Bangladesh..... | 30.5 | 0.05 |
| Burma..... | 28.3 | 0.05 |
| Cambodia..... | 12.0 | 0.02 |
| Guam..... | 29.5 | 0.05 |
| India..... | 555.1 | 0.94 |
| Indonesia..... | 423.7 | 0.72 |
| Japan..... | 5,660.4 | 9.61 |
| Malaysia..... | 126.0 | 0.21 |
| New Zealand..... | 54.0 | 0.09 |
| Pakistan..... | 79.2 | 0.13 |
| Philippines..... | 274.0 | 0.47 |
| Singapore..... | 1,026.0 | 1.74 |
| South Korea..... | 425.0 | 0.72 |
| Sri Lanka..... | 34.4 | 0.06 |

Table 1

Free World: Crude Oil Refining Capacity, by Country (Continued)
1 September 1975

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---------------------------------------|---|------------------------|
| Eastern Hemisphere (Continued) | | |
| Far East and Oceania (Continued) | | |
| Taiwan..... | 244.0 | 0.42 |
| Thailand..... | 166.2 | 0.28 |
| Western Europe..... | 20,016.9 | 33.97 |
| Austria..... | 220.0 | 0.37 |
| Belgium..... | 1,093.8 | 1.86 |
| Cyprus..... | 15.0 | 0.02 |
| Denmark..... | 220.0 | 0.37 |
| Finland..... | 196.0 | 0.33 |
| France..... | 3,341.7 | 5.67 |
| Greece..... | 411.0 | 0.70 |
| Ireland..... | 56.0 | 0.10 |
| Italy..... | 3,952.7 | 6.71 |
| Netherlands..... | 1,970.5 | 3.34 |
| Norway..... | 258.0 | 0.44 |
| Portugal..... | 110.0 | 0.19 |
| Spain..... | 1,165.0 | 1.98 |
| Sweden..... | 413.0 | 0.70 |
| Switzerland..... | 138.0 | 0.23 |
| Turkey..... | 315.5 | 0.53 |
| United Kingdom..... | 2,873.0 | 4.88 |
| West Germany..... | 2,986.7 | 5.07 |
| Yugoslavia..... | 281.0 | 0.48 |
| Western Hemisphere..... | 24,759.0 | 42.02 |
| North America..... | 17,867.2 | 30.32 |
| Canada..... | 2,111.9 | 3.58 |
| Mexico..... | 760.0 | 1.29 |
| United States..... | 14,995.3 | 25.45 |
| South America and Caribbean..... | 6,891.8 | 11.70 |
| Antigua..... | 16.0 | 0.03 |
| Argentina..... | 720.5 | 1.22 |
| Bahamas..... | 500.0 | 0.85 |
| Barbados..... | 3.0 | 0.01 |
| Bolivia..... | 25.5 | 0.04 |
| Brazil..... | 961.8 | 1.63 |
| Chile..... | 123.5 | 0.21 |
| Colombia..... | 172.1 | 0.29 |
| Costa Rica..... | 11.0 | 0.02 |
| Dominican Republic..... | 45.5 | 0.08 |
| Ecuador..... | 44.4 | 0.08 |
| El Salvador..... | 14.0 | 0.02 |
| Guatemala..... | 24.8 | 0.04 |
| Honduras..... | 14.0 | 0.02 |
| Jamaica..... | 33.0 | 0.06 |
| Martinique..... | 10.4 | 0.02 |
| Netherlands Antilles..... | 900.0 | 1.53 |
| Nicaragua..... | 13.2 | 0.02 |
| Panama..... | 100.0 | 0.17 |
| Paraguay..... | 10.0 | 0.02 |
| Peru..... | 129.6 | 0.22 |
| Puerto Rico..... | 283.8 | 0.48 |
| Trinidad and Tobago..... | 461.0 | 0.78 |
| Uruguay..... | 43.0 | 0.07 |
| Venezuela..... | 1,531.7 | 2.60 |
| Virgin Islands..... | 700.0 | 1.19 |

Table 2

Free World: Crude Oil Refining Capacity, by Ownership
1 September 1975

| Company | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|-------------------------------------|---|------------------------|
| Total..... | 58,921.1 | 100.00 |
| International Majors..... | 25,321.0 | 42.97 |
| British Petroleum Co..... | 2,922.9 | 4.96 |
| Exxon Corp..... | 6,554.7 | 11.12 |
| Gulf Oil Corp..... | 1,912.8 | 3.25 |
| Mobil Oil Corp..... | 2,544.4 | 4.32 |
| Royal Dutch/Shell..... | 5,660.4 | 9.61 |
| Standard Oil Co. of California..... | 2,535.6 | 4.30 |
| Texaco Inc..... | 3,190.2 | 5.42 |
| Other Internationals..... | 9,386.8 | 15.93 |
| Amerada Hess Corp..... | 728.5 | 1.24 |
| Atlantic Richfield Co..... | 855.2 | 1.45 |
| Ashland Oil Inc..... | 386.6 | 0.66 |
| Burmah Oil Co., Ltd..... | 125.8 | 0.22 |
| Cie. Francaise Des Petroles..... | 1,117.6 | 1.90 |
| Continental Oil Co..... | 473.3 | 0.80 |
| Getty Oil Co..... | 454.5 | 0.77 |
| Marathon Oil Co..... | 473.0 | 0.80 |
| New England Petroleum Co..... | 325.0 | 0.55 |
| Petrofina S.A..... | 555.4 | 0.94 |
| Phillips Petroleum Co..... | 502.1 | 0.85 |
| Occidental Petroleum Corp..... | 125.5 | 0.21 |
| R. J. Reynolds Industries..... | 135.0 | 0.23 |
| Standard Oil Co. of Indiana..... | 1,392.0 | 2.36 |
| Sun Oil Co..... | 656.4 | 1.11 |
| Tesoro Petroleum Corp..... | 135.6 | 0.23 |
| Union Oil Co. of California..... | 529.2 | 0.90 |
| Ultramar Co., Ltd..... | 128.0 | 0.22 |
| Wintershall A.G..... | 288.1 | 0.49 |
| Governments (Govt. of)..... | 9,636.6 | 16.36 |
| Algeria..... | 115.3 | 0.20 |
| Antigua..... | 16.0 | 0.03 |
| Argentina..... | 475.8 | 0.81 |
| Austria..... | 220.0 | 0.37 |
| Bolivia..... | 25.5 | 0.04 |
| Brazil..... | 943.0 | 1.60 |
| Burma..... | 28.3 | 0.05 |
| Cambodia..... | 7.8 | 0.01 |
| Cameroun..... | 0.9 | ... |
| Central African Republic..... | 0.9 | ... |
| Chad..... | 0.9 | ... |
| Chile..... | 123.5 | 0.21 |
| Colombia..... | 161.5 | 0.28 |
| Congo..... | 0.9 | ... |
| Costa Rica..... | 11.0 | 0.02 |
| Cyprus..... | 5.4 | 0.01 |
| Dominican Republic..... | 15.0 | 0.03 |
| Ecuador..... | 5.0 | 0.01 |
| Egypt..... | 180.0 | 0.31 |
| Ethiopia..... | 14.4 | 0.02 |
| Finland..... | 196.0 | 0.33 |
| France..... | 568.4 | 0.97 |
| Gabon..... | 0.9 | ... |
| Ghana..... | 14.0 | 0.02 |

Table 2

Free World: Crude Oil Refining Capacity, by Ownership (Continued)
1 September 1975

| Company | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---|------------------------|
| Governments (Govt. of) (Continued) | | |
| Greece..... | 98.0 | 0.17 |
| India..... | 335.8 | 0.57 |
| Indonesia..... | 423.7 | 0.72 |
| Iran..... | 807.3 | 1.37 |
| Iraq..... | 168.5 | 0.29 |
| Israel..... | 128.6 | 0.22 |
| Italy..... | 713.3 | 1.21 |
| Ivory Coast..... | 4.3 | 0.01 |
| Kenya..... | 40.0 | 0.07 |
| Kuwait..... | 438.0 | 0.74 |
| Lebanon..... | 36.0 | 0.06 |
| Libya..... | 60.0 | 0.10 |
| Malagasy Republic..... | 2.3 | ... |
| Mexico..... | 760.0 | 1.29 |
| Morocco..... | 54.3 | 0.09 |
| Nigeria..... | 36.0 | 0.06 |
| Pakistan..... | 12.6 | 0.02 |
| Peru..... | 129.6 | 0.22 |
| Philippines..... | 89.6 | 0.15 |
| Portugal..... | 123.5 | 0.21 |
| Qatar..... | 6.8 | 0.01 |
| Republic of South Africa..... | 33.1 | 0.06 |
| Saudi Arabia..... | 388.0 | 0.66 |
| Sierra Leone..... | 5.0 | 0.01 |
| Singapore..... | 21.7 | 0.04 |
| South Korea..... | 105.0 | 0.18 |
| Spain..... | 330.3 | 0.56 |
| Sri Lanka..... | 34.4 | 0.06 |
| Syria..... | 49.7 | 0.08 |
| Taiwan..... | 244.0 | 0.41 |
| Tanzania..... | 8.1 | 0.01 |
| Thailand..... | 66.2 | 0.11 |
| Trinidad and Tobago..... | 100.0 | 0.17 |
| Tunisia..... | 25.0 | 0.04 |
| Turkey..... | 225.5 | 0.38 |
| Uruguay..... | 43.0 | 0.07 |
| Venezuela..... | 30.0 | 0.05 |
| West Germany..... | 27.6 | 0.05 |
| Yugoslavia..... | 281.0 | 0.48 |
| Zaire..... | 8.1 | 0.01 |
| Zambia..... | 12.3 | 0.02 |
| Local Private Capital..... | 14,470.2 | 24.56 |
| Argentina..... | 20.8 | 0.03 |
| Australia..... | 55.0 | 0.09 |
| Bangladesh..... | 21.4 | 0.04 |
| Brazil..... | 18.8 | 0.03 |
| Canada..... | 641.6 | 1.09 |
| Cyprus..... | 2.2 | ... |
| Dominican Republic..... | 15.5 | 0.03 |
| Ecuador..... | 14.8 | 0.03 |
| France..... | 685.1 | 1.16 |
| Greece..... | 276.5 | 0.47 |
| Guam..... | 29.5 | 0.05 |

Table 2

Free World: Crude Oil Refining Capacity, by Ownership (Continued)
1 September 1975

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---|------------------------|
| Local Private Capital (Continued) | | |
| Honduras..... | 4.6 | 0.01 |
| India..... | 14.0 | 0.02 |
| Israel..... | 72.4 | 0.12 |
| Italy..... | 2,230.1 | 3.79 |
| Japan..... | 4,281.7 | 7.27 |
| Jordan..... | 21.2 | 0.04 |
| Malaysia..... | 19.9 | 0.03 |
| Mozambique..... | 17.0 | 0.03 |
| Netherlands..... | 6.5 | 0.01 |
| New Zealand..... | 17.0 | 0.03 |
| Norway..... | 60.3 | 0.10 |
| Pakistan..... | 33.6 | 0.06 |
| Paraguay..... | 10.0 | 0.02 |
| Philippines..... | 17.0 | 0.03 |
| Puerto Rico..... | 101.4 | 0.17 |
| Republic of South Africa..... | 3.1 | ... |
| Senegal..... | 2.4 | ... |
| South Korea..... | 107.5 | 0.18 |
| Spain..... | 655.3 | 1.11 |
| Sweden..... | 170.0 | 0.29 |
| Thailand..... | 45.5 | 0.08 |
| Turkey..... | 4.5 | 0.01 |
| United Kingdom..... | 58.5 | 0.10 |
| United States..... | 3,994.3 | 6.78 |
| West Germany..... | 741.2 | 1.26 |
| Other..... | 106.5 | 0.18 |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area

| Refinery Name and Ownership | Location | Crude Capacity (Thousands Barrels Per Day) | Percent of Total |
|---|-----------------|---|------------------|
| Middle East..... | | | |
| Bahrain..... | | 2,965.8 | .... |
| Bahrain Petroleum Co..... | | 250.0 | 100.00 |
| 50.00% Standard Oil Co. of California | Awali | 250.0 | 100.00 |
| 50.00% Texaco Inc. | | | |
| Iran..... | | | |
| National Iranian Oil Co..... | | 789.0 | 100.00 |
| 100.00% Iranian Govt. | Abadan | 470.0 | 59.57 |
| National Iranian Oil Co..... | | 15.0 | 1.90 |
| 100.00% Iranian Govt. | Kermanshah | | |
| National Iranian Oil Co..... | | 64.0 | 8.11 |
| 100.00% Iranian Govt. | Masjid Sulaiman | | |
| National Iranian Oil Co..... | | 40.0 | 5.07 |
| 100.00% Iranian Govt. | Shiraz | | |
| National Iranian Oil Co..... | | 200.0 | 25.35 |
| 100.00% Iranian Govt. | Tehran | | |
| Iraq..... | | | |
| Oil Refineries Administration..... | | 168.5 | 100.00 |
| 100.00% Iraqi Govt. | Basra | 70.0 | 41.54 |
| Oil Refineries Administration..... | | 71.0 | 42.14 |
| 100.00% Iraqi Govt. | Daura | | |
| Oil Refineries Administration..... | | 7.0 | 4.15 |
| 100.00% Iraqi Govt. | Haditha | | |
| Oil Refineries Administration..... | | 12.0 | 7.12 |
| 100.00% Iraqi Govt. | Khanaqin | | |
| Oil Refineries Administration..... | | 4.5 | 2.67 |
| 100.00% Iraqi Govt. | Mufthia | | |
| Oil Refineries Administration..... | | 2.0 | 1.19 |
| 100.00% Iraqi Govt. | Qaiyarah | | |
| Oil Refineries Administration..... | | 2.0 | 1.19 |
| 100.00% Iraqi Govt. | Kirkuk | | |
| Israel..... | | | |
| Oil Refineries Ltd..... | | 201.0 | 100.00 |
| 64.00% Israeli Govt. | Ashdod | 66.0 | 32.84 |
| 36.00% Oil Refineries Ltd. | | | |
| Oil Refineries Ltd..... | | 135.0 | 67.16 |
| 64.00% Israeli Govt. | Haifa | | |
| 36.00% Oil Refineries Ltd. | | | |
| Jordan..... | | | |
| Jordan Petroleum Refinery Co..... | | 21.2 | 100.00 |
| 100.00% Jordan Petroleum Refining Co. | Zerqa | 21.2 | 100.00 |
| Kuwait..... | | | |
| American Independent Oil Co..... | | 646.0 | 100.00 |
| 100.00% R. J. Reynolds Industries, Inc. | Mena Abdullah | 132.0 | 20.44 |
| Arabian Oil Ltd..... | | 30.0 | 4.64 |
| 80.00% Japanese Interests | Ras Al Khafji | | |
| 10.00% Kuwaiti Govt. | | | |
| 10.00% Saudi Arabian Govt. | | | |
| Getty Oil Co..... | | 50.0 | 7.74 |
| 100.00% Getty Oil Co. | Mina Saud | | |
| Kuwait National Petroleum Co..... | | 134.0 | 20.74 |
| 100.00% Kuwaiti Govt. | Shuaiba | | |
| Kuwait Oil Co. Ltd..... | | 300.0 | 46.44 |
| 100.00% Kuwaiti Govt. | Mina Al Ahmadi | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousands Barrels Per Day) | Percent of Total |
|---------------------------------------|----------------|---|------------------------|
| Middle East (Continued) | | | |
| Lebanon..... | | 53.5 | 100.00 |
| Iraq Petroleum Co. Ltd..... | Tripoli | 36.0 | 67.29 |
| 100.00% Lebanese Govt. | | | |
| Mediterranean Refining Co..... | Sidon | 17.5 | 32.71 |
| 50.00% Mobil Oil Corp. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Qatar..... | | 6.8 | 100.00 |
| National Oil Distribution Co..... | Umm Said | 6.8 | 100.00 |
| 100.00% Qatar Govt. | | | |
| Saudi Arabia..... | | 611.0 | 100.00 |
| Arabian American Oil Co..... | Ras Tanura | 565.0 | 92.47 |
| 12.00% Exxon Corp. | | | |
| 4.00% Mobil Oil Corp. | | | |
| 60.00% Saudi Arabian Govt. | | | |
| 12.00% Standard Oil Co. of California | | | |
| 12.00% Texaco Inc. | | | |
| Jiddah Oil Refinery Co..... | Jiddah | 31.0 | 5.07 |
| 100.00% Saudi Arabian Govt. | | | |
| Riyadh Oil Refinery..... | Riyadh | 15.0 | 2.46 |
| 100.00% Saudi Arabian Govt. | | | |
| South Yemen..... | | 169.1 | 100.00 |
| BP Refinery (Aden) Ltd..... | Little Aden | 169.1 | 100.00 |
| 100.00% British Petroleum Co. | | | |
| Syria..... | | 49.7 | 100.00 |
| Homs Petroleum Refining Co..... | Homs | 49.7 | 100.00 |
| 100.00% Syrian Govt. | | | |
| Africa..... | | 1,289.0 | ... |
| Algeria..... | | 115.3 | 100.00 |
| Sonatrach..... | Arzew | 54.6 | 47.35 |
| 100.00% Algerian Govt. | | | |
| Sonatrach..... | El Borma | 0.6 | 0.52 |
| 100.00% Algerian Govt. | | | |
| Sonatrach..... | Hassi Messaoud | 3.1 | 2.69 |
| 100.00% Algerian Govt. | | | |
| Sonatrach..... | Maison Carree | 57.0 | 49.44 |
| 100.00% Algerian Govt. | | | |
| Angola..... | | 35.7 | 100.00 |
| Cabinda Gulf..... | Cabinda | 2.8 | 7.84 |
| 100.00% Gulf Oil Corp. | | | |
| Cia. De Petroleos De Angola..... | Luanda | 32.9 | 92.16 |
| 59.00% Petrofina S.A. | | | |
| 41.00% Portuguese Govt. | | | |
| Egypt..... | | 180.0 | 100.00 |
| Egyptian General Petroleum Corp..... | El Amiriya | 26.0 | 14.44 |
| 100.00% Egyptian Govt. | | | |
| Egyptian General Petroleum Corp..... | Mex | 120.0 | 66.67 |
| 100.00% Egyptian Govt. | | | |
| Egyptian General Petroleum Corp..... | Tanta | 14.6 | 8.11 |
| 100.00% Egyptian Govt. | | | |
| Egyptian General Petroleum Corp..... | Others | 19.4 | 10.78 |
| 100.00% Egyptian Govt. | | | |
| Ethiopia..... | | 14.4 | 100.00 |
| Ethiopian Petroleum S.C..... | Assab | 14.4 | 100.00 |
| 100.00% Ethiopian Govt. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousands Barrels Per Day) | Percent of Total |
|--------------------------------------|----------------|--|------------------|
| Africa (Continued) | | | |
| Gabon..... | | 17.0 | 100.00 |
| Soc. Equatoriale De Raffinage..... | Port Gentil | 17.0 | 100.00 |
| 3.08% British Petroleum Co. | | | |
| 5.00% Cameroun Govt. | | | |
| 5.00% Central African Republic Govt. | | | |
| 5.00% Chad Govt. | | | |
| 18.75% Cie. Francaise Des Petroles | | | |
| 5.00% Congo Govt. | | | |
| 18.75% French Govt. | | | |
| 5.00% Gabon Govt. | | | |
| 2.50% Italian Govt. | | | |
| 11.66% Mobil Oil Corp. | | | |
| 3.27% Petrofina S.A. | | | |
| 11.39% Royal Dutch/Shell | | | |
| 5.60% Texaco Inc. | | | |
| Ghana..... | | 28.0 | 100.00 |
| Ghanaian-Italian Petroleum Co..... | Tema | 28.0 | 100.00 |
| 50.00% Ghanaian Govt. | | | |
| 50.00% Italian Govt. | | | |
| Ivory Coast..... | | 43.0 | 100.00 |
| Soc. Ivoirienne De Raffinage..... | Abidjan | 43.0 | 100.00 |
| 10.20% British Petroleum Co. | | | |
| 13.00% Cie. Francaise Des Petroles | | | |
| 1.00% Exxon Corp. | | | |
| 25.00% French Govt. | | | |
| 10.00% Ivory Coast Govt. | | | |
| 18.20% Mobil Oil Corp. | | | |
| 14.70% Royal Dutch/Shell | | | |
| 7.90% Texaco Inc. | | | |
| Kenya..... | | 80.0 | 100.00 |
| East African Oil Refineries Ltd..... | Mombasa | 80.0 | 100.00 |
| 12.75% British Petroleum Co. | | | |
| 12.75% Exxon Corp. | | | |
| 50.00% Kenya Govt. | | | |
| 12.75% Royal Dutch/Shell | | | |
| 5.87% Standard Oil Co. of California | | | |
| 5.88% Texaco Inc. | | | |
| Liberia..... | | 11.0 | 100.00 |
| Liberia Refining Co..... | Monrovia | 11.0 | 100.00 |
| 33.00% Hydrocarbons Research | | | |
| 67.00% Sun Oil Co. | | | |
| Libya..... | | 68.0 | 100.00 |
| Esso Standard Libya..... | Marsa El Brega | 8.0 | 11.76 |
| 100.00% Exxon Corp. | | | |
| National Oil Corp..... | Zavia | 60.0 | 88.24 |
| 100.00% Libyan Govt. | | | |
| Malagasy Republic..... | | 15.0 | 100.00 |
| Soc. Malagache De Raffinage..... | Tamatave | 15.0 | 100.00 |
| 7.50% British Petroleum Co. | | | |
| 7.50% Cie. Francaise Des Petroles | | | |
| 15.00% Exxon Corp. | | | |
| 35.00% French Govt. | | | |
| 15.00% Malagasy Republic Govt. | | | |
| 7.50% Royal Dutch/Shell | | | |
| 6.25% Standard Oil Co. of California | | | |
| 6.25% Texaco Inc. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---------------|---|---------------------|
| Africa (Continued) | | | |
| Morocco..... | | 397.1 | 100.00 |
| Soc. Anon. Marocaine Italienne De Raffinage..... | Mohammedia | 58.6 | 100.00 |
| 100.00% Moroccan Govt. | | 50.0 | 85.32 |
| Soc. Cherifienne Des Petroles..... | Sidi-Kacem | 8.6 | 14.68 |
| 7.00% Cie. Francaise Des Petroles | | | |
| 43.00% French Govt. | | | |
| 50.00% Moroccan Govt. | | | |
| Mozambique..... | | 17.0 | 100.00 |
| Soc. Nacional De Refinacao De Petroleos..... | Salazar | 17.0 | 100.00 |
| 100.00% Soc. Nacional De Petroleos S.A.R.L. | | | |
| Nigeria..... | | 60.0 | 100.00 |
| Nigerian Petroleum Refining Co. Ltd..... | Port Harcourt | 60.0 | 100.00 |
| 20.00% British Petroleum Co. | | | |
| 60.00% Nigerian Govt. | | | |
| 20.00% Royal Dutch/Shell | | | |
| Republic of South Africa..... | | | |
| Caltex Oil S.A. (Pty) Ltd..... | Capetown | 46.0 | 11.58 |
| 50.00% Standard Oil Co. of California | | | |
| 50.00% Texaco Inc. | | | |
| Mobil Oil Refining Co..... | Durban | 100.0 | 25.18 |
| 100.00% Mobil Oil Corp. | | | |
| National Petroleum Refiners of South Africa..... | Sasolburg | 63.0 | 15.87 |
| 30.00% Cie. Francaise Des Petroles | | | |
| 17.50% Iranian Govt. | | | |
| 52.50% South African Govt. | | | |
| Satmar Ltd..... | Boksburg | 3.1 | 0.78 |
| 100.00% Satmar Ltd. | | | |
| Shell and BP South African Petroleum Refineries..... | Durban | 185.0 | 46.59 |
| 50.00% British Petroleum Co. | | | |
| 50.00% Royal Dutch/Shell | | | |
| Rhodesia..... | | 20.0 | 100.00 |
| Central African Petroleum Refineries, Ltd. (Not operating).... | Umtali | 20.0 | 100.00 |
| 20.75% British Petroleum Co. | | | |
| 5.00% Cie. Francaise Des Petroles | | | |
| 5.00% Kuwait Govt. | | | |
| 17.75% Mobil Oil Corp. | | | |
| 15.00% R. J. Reynolds Industries | | | |
| 20.75% Royal Dutch/Shell | | | |
| 7.88% Standard Oil Co. of California | | | |
| 7.87% Texaco Inc. | | | |
| Senegal..... | | 15.0 | 100.00 |
| Soc. Africaine De Raffinage..... | Dakar | 15.0 | 100.00 |
| 10.00% Banque Nat. De Development Du Senegal | | | |
| 11.80% British Petroleum Co. | | | |
| 11.80% Cie. Francaise Des Petroles | | | |
| 1.00% Exxon Corp. | | | |
| 24.00% French Govt. | | | |
| 11.80% Mobil Oil Corp. | | | |
| 11.80% Royal Dutch/Shell | | | |
| 6.00% Soc. Africaine De Petroles | | | |
| 11.80% Texaco Inc. | | | |
| Sierra Leone..... | | 10.0 | 100.00 |
| Sierra Leone Petroleum Refinery Co..... | Freetown | 10.0 | 100.00 |
| 6.90% British Petroleum Co. | | | |
| 3.30% Italian Govt. | | | |

Table 3
Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---------------|---|------------------|
| Africa (Continued) | | | |
| Sierra Leone (Continued) | | | |
| Sierra Leone Petroleum Refinery Co. (Continued) | | | |
| 11.30% Mobil Oil Corp. | | | |
| 17.70% Royal Dutch/Shell | | | |
| 50.00% Sierra Leone Govt. | | | |
| 10.80% Texaco Inc. | | | |
| Sudan..... | | 22.0 | 100.00 |
| Shell and BP Sudan Ltd..... | Port Sudan | 22.0 | 100.00 |
| 50.00% British Petroleum Co. | | | |
| 50.00% Royal Dutch/Shell | | | |
| Tanzania..... | | 16.1 | 100.00 |
| Tanzanian and Italian Petroleum Refinery, Co..... | Dar Es Salaam | 16.1 | 100.00 |
| 50.00% Italian Govt. | | | |
| 50.00% Tanzanian Govt. | | | |
| Tunisia..... | | 25.0 | 100.00 |
| Soc. Tuniso Italienne De Raffinage..... | Bizerta | 25.0 | 100.00 |
| 100.00% Tunisian Govt. | | | |
| Zaire..... | | 16.2 | 100.00 |
| Soc. Zairo-Italienne De Raffinage..... | Muanda | 16.2 | 100.00 |
| 50.00% Italian Govt. | | | |
| 50.00% Zaire Govt. | | | |
| Zambia..... | | 24.6 | 100.00 |
| Indeni Petroleum Refining Co., Ltd..... | Ndola | 24.6 | 100.00 |
| 50.00% Italian Govt. | | | |
| 50.00% Zambian Govt. | | | |
| Far East and Oceania | | | |
| Australia..... | | 9,890.4 | .... |
| Amoco Australia Pty, Ltd..... | Brisbane | 722.1 | 100.00 |
| 100.00% Standard Oil Co. of Indiana | | 58.0 | 8.03 |
| Ampol Refineries, Ltd..... | Lytton | 60.0 | 8.31 |
| 91.60% Ampol Petroleum, Ltd | | | |
| 4.20% Standard Oil Co. of California | | | |
| 4.20% Texaco Inc. | | | |
| Australian Oil Refining Pty., Ltd..... | Kurnell | 132.0 | 18.28 |
| 50.00% Standard Oil Co. of California | | | |
| 50.00% Texaco Inc. | | | |
| BP Australia, Ltd..... | Westernport | 57.0 | 7.89 |
| 100.00% British Petroleum Co. | | | |
| BP Refinery (Kwinana) Pty..... | Kwinana | 103.0 | 14.26 |
| 100.00% British Petroleum Co. | | | |
| Petroleum Refineries (Australia), Ltd..... | Adelaide | 46.5 | 6.44 |
| 35.00% Exxon Corp. | | | |
| 65.00% Mobil Oil Corp. | | | |
| Petroleum Refineries (Australia) Ltd..... | Altona | 98.6 | 13.66 |
| 35.00% Exxon Corp. | | | |
| 65.00% Mobil Oil Corp. | | | |
| Shell Refining (Australia) Pty..... | Clyde | 55.0 | 7.62 |
| 100.00% Royal Dutch/Shell | | | |
| Shell Refining (Australia) Pty..... | Geelong | 92.0 | 12.74 |
| 100.00% Royal Dutch/Shell | | | |
| Total Refineries Australia, Ltd..... | Matraville | 20.0 | 2.77 |
| 100.00% Cie. Francaise Des Petroles | | | |
| Bangladesh..... | | 30.5 | 100.00 |
| Eastern Refinery, Ltd..... | Chittagong | 30.5 | 100.00 |
| 30.00% Burmah Oil Co., Ltd | | | |
| 70.00% Eastern Refinery, Ltd. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|-----------------|--|------------------|
| Far East and Oceania (Continued) | | | |
| Burma..... | | 28.3 | 100.00 |
| Myanma Oil Corp..... | Chauk | 6.8 | 24.03 |
| 100.00% Burmese Govt. | | | |
| Myanma Oil Corp..... | Syriam | 21.5 | 75.97 |
| 100.00% Burmese Govt. | | | |
| Cambodia..... | | 12.0 | 100.00 |
| Soc. Khmere De Raffinage..... | Sihanoukville | 12.0 | 100.00 |
| (Not operating) | | | |
| 65.00% Cambodian Govt. | | | |
| 35.00% French Govt. | | | |
| Guam..... | | 29.5 | 100.00 |
| Guam Oil and Refining Co..... | Guam | 29.5 | 100.00 |
| 100.00% Guam Oil and Refining Co. | | | |
| India..... | | 555.1 | 100.00 |
| Assam Oil Co., Ltd..... | Digboi | 12.1 | 2.18 |
| 100.00% Burmah Oil Co., Ltd | | | |
| Burmah-Shell Refineries, Ltd..... | Bombay | 111.0 | 20.00 |
| 50.00% Burmah Oil Co., Ltd. | | | |
| 50.00% Royal Dutch/Shell | | | |
| Caltex Oil Refining (India), Ltd..... | Visakhapatnam | 32.0 | 5.77 |
| 50.00% Standard Oil Co. of California | | | |
| 50.00% Texaco Inc. | | | |
| Cochin Refineries, Ltd..... | Cochin | 66.0 | 11.89 |
| 21.20% Cochin Refineries, Ltd | | | |
| 52.40% Indian Govt. | | | |
| 26.40% Phillips Petroleum Corp. | | | |
| Hindustan Petroleum Corp. Ltd..... | Bombay | 70.0 | 12.61 |
| 26.00% Exxon Corp. | | | |
| 74.00% Indian Govt. | | | |
| Indian Oil Corp..... | Barauni | 60.0 | 10.81 |
| 100.00% Indian Govt. | | | |
| Indian Oil Corp..... | Baroda | 82.0 | 14.77 |
| 100.00% Indian Govt. | | | |
| Indian Oil Corp..... | Gauhati | 16.0 | 2.88 |
| 100.00% Indian Govt. | | | |
| Indian Oil Corp..... | Haldia | 50.0 | 9.00 |
| 100.00% Indian Govt. | | | |
| Madras Refineries, Ltd..... | Madras | 56.0 | 10.09 |
| 74.00% Indian Govt. | | | |
| 13.00% Iranian Govt. | | | |
| 13.00% Standard Oil Co. of Indiana | | | |
| Indonesia..... | | 423.7 | 100.00 |
| Pertamina..... | Balikpapan | 75.0 | 17.70 |
| 100.00% Indonesian Govt. | | | |
| Pertamina | Dumai | 100.0 | 23.60 |
| 100.00% Indonesian Govt. | | | |
| Pertamina..... | Pangkalan Plaju | 4.5 | 1.06 |
| 100.00% Indonesian Govt. | | | |
| Pertamina | Plaju | 111.2 | 26.25 |
| 100.00% Indonesian Govt. | | | |
| Pertamina..... | Sungei Gerong | 79.0 | 18.65 |
| 100.00% Indonesian Govt. | | | |
| Pertamina..... | Sungei Pakning | 50.0 | 11.80 |
| 100.00% Indonesian Govt. | | | |
| Pertamina..... | Wonokromo | 4.0 | 0.94 |
| 100.00% Indonesian Govt. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousands Barrels Per Day) | Percent of Total |
|---|-----------|---|------------------|
| Far East and Oceania (Continued) | | | |
| Japan..... | | | |
| Asia Kyoseki..... | Sakaide | 5,660.4 | 100.00 |
| 33.33% Kyodo Sekiyu K. K. | | 100.0 | 1.77 |
| 52.00% Mitsubishi Chemical | | | |
| 14.67% Mitsui and Co. | | | |
| Asia Oil Company..... | Hakodate | 25.0 | 0.44 |
| 78.00% Mitsubishi Chemical | | | |
| 22.00% Mitsui and Co. | | | |
| Asia Oil Company..... | Yokohama | 100.0 | 1.77 |
| 78.00% Mitsubishi Chemical | | | |
| 22.00% Mitsui and Co. | | | |
| Daikyo Oil..... | Yokkaichi | 195.0 | 3.45 |
| 100.00% Daikyo Oil | | | |
| Fuji Kosan..... | Kainan | 77.6 | 1.37 |
| 100.00% Fuji Kosan | | | |
| Fuji Oil..... | Sodegaura | 210.0 | 3.71 |
| 100.00% Fuji Oil | | | |
| General Sekiyu Seisei..... | Kawasaki | 55.0 | 0.97 |
| 50.00% Exxon Corp. | | | |
| 50.00% General Bussan Kaisha | | | |
| General Sekiyu Seisei..... | Saikai | 120.0 | 2.12 |
| 50.00% Exxon Corp. | | | |
| 50.00% General Bussan Kaisha | | | |
| Idemitsu Kosan Co., Ltd..... | Tokuyama | 140.0 | 2.47 |
| 100.00% Idemitsu Kosan Co., Ltd | | | |
| Idemitsu Kosan Co., Ltd..... | Chiba | 310.0 | 5.48 |
| 100.00% Idemitsu Kosan Co., Ltd | | | |
| Idemitsu Kosan Co., Ltd..... | Hyogo | 110.0 | 1.94 |
| 100.00% Idemitsu Kosan Co., Ltd | | | |
| Idemitsu Kosan Co., Ltd..... | Hokkaido | 70.0 | 1.24 |
| 100.00% Idemitsu Kosan Co., Ltd. | | | |
| Kansai Oil Co..... | Sakai | 110.0 | 1.94 |
| 85.00% Kansai Oil Co. | | | |
| 15.00% Maruzen Oil Co. | | | |
| Kashima Oil..... | Kashima | 180.0 | 3.18 |
| 100.00% Kashima Oil | | | |
| Koa Oil Co..... | Marifu | 149.0 | 2.63 |
| 50.00% Koa Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Koa Oil Co..... | Osaka | 80.0 | 1.41 |
| 50.00% Koa Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Kyokuto Petroleum Industries..... | Chiba | 15.00 | 2.65 |
| 5.00% Kyokuto Petroleum Industries | | | |
| 45.00% Mitsui and Co. | | | |
| 50.00% Mobil Oil Corp. | | | |
| Kyushu Oil Co..... | Oita | 170.0 | 3.00 |
| 100.00% Kyushu Oil Co. | | | |
| Maruzen Oil Co..... | Shimotsu | 37.5 | 0.66 |
| 100.00% Maruzen Oil Co. | | | |
| Maruzen Oil Co..... | Matsuyama | 50.0 | 0.88 |
| 100.00% Maruzen Oil Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousands Barrels Per Day) | Percent of Total |
|---|--------------------|---|------------------|
| Far East and Oceania (Continued) | | | |
| Japan (Continued) | | | |
| Maruzen Oil Co..... | Chiba | 195.0 | 3.45 |
| 100.00% Maruzen Oil Co. | | | |
| Mitsubishi Oil Co., Ltd..... | Kawasaki | 105.0 | 1.86 |
| 50.00% Getty Oil Co. | | | |
| 50.00% Mitsubishi Oil Co., Ltd | | | |
| Mitsubishi Oil Co., Ltd..... | Mizushima | 270.0 | 4.77 |
| 50.00% Getty Oil Co. | | | |
| 50.00% Mitsubishi Oil Co., Ltd | | | |
| Nansei Sekiyu Kabushiki Kaisha..... | Nishihara, Okinawa | 80.0 | 1.41 |
| 50.00% Exxon Corp. | | | |
| 25.00% General Bussan Kaisha | | | |
| 25.00% Nansei Sekiyu K.K. | | | |
| Nichimo Sekiyu Seisei..... | Kawasaki | 100.0 | 1.77 |
| 17.50% Exxon Corp. | | | |
| 17.50% Mobil Oil Corp. | | | |
| 30.00% Nichimo Sekiyu Seisei | | | |
| 35.00% Toa Nenryo Kogyo | | | |
| Nihonkai Oil Co..... | Toyama | 60.0 | 1.06 |
| 100.00% Nihonkai Oil Co. | | | |
| Nippon Mining Co..... | Funakawa | 14.2 | 0.25 |
| 100.00% Nippon Mining Co. | | | |
| Nippon Mining Co..... | Mizushima | 235.2 | 4.16 |
| 100.00% Nippon Mining Co. | | | |
| Nippon Oil Co..... | Niigata | 26.0 | 0.46 |
| 100.00% Nippon Oil Co. | | | |
| Nippon Petroleum Refining Co..... | Muroran | 110.0 | 1.94 |
| 50.00% Nippon Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Nippon Petroleum Refining Co..... | Yokohama | 70.0 | 1.24 |
| 50.00% Nippon Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Nippon Petroleum Refining Co..... | Negishi | 330.0 | 5.83 |
| 50.00% Nippon Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Nippon Petroleum Refining Co..... | Kudamatsu | 42.0 | 0.74 |
| 50.00% Nippon Oil Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Okinawa Sekiyu Seisei Co., Ltd..... | Henzajima, Okinawa | 100.0 | 1.77 |
| 45.00% Gulf Oil Corp. | | | |
| 45.00% Idemitsu Kosan | | | |
| 10.00% Mitsubishi Chemical | | | |
| Seibu Oil..... | Yamaguchi | 110.0 | 1.94 |
| 23.00% Japan Line | | | |
| 20.00% Royal Dutch/Shell | | | |
| 57.00% Seibu Oil | | | |
| Showa Oil Co., Ltd..... | Niigata | 43.0 | 0.76 |
| 50.00% Royal Dutch/Shell | | | |
| 50.00% Showa Oil Co., Ltd | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---------------------|---|------------------------|
| Far East and Oceania (Continued) | | | |
| Japan (Continued) | | | |
| Showa Oil Co., Ltd..... | Kawasaki | 149.0 | 2.63 |
| 50.00% Royal Dutch/Shell | | | |
| 50.00% Showa Oil Co., Ltd | | | |
| Showa Yokkaichi Sekiyu Co..... | Yokkaichi | 310.0 | 5.48 |
| 25.00% Mitsubishi Group | | | |
| 50.00% Royal Dutch/Shell | | | |
| 25.00% Showa Oil Co., Ltd. | | | |
| Taiyo Oil Co., Ltd..... | Kikuma | 69.0 | 1.22 |
| 100.00% Taiyo Oil Co., Ltd. | | | |
| Teiseki Topping Plant..... | Kubiki | 4.4 | 0.08 |
| 100.00% Teiseki Topping Plant | | | |
| Toa Kyoseki Co., Ltd..... | Nagoya | 100.0 | 1.77 |
| 100.00% Toa Kyoseki Co., Ltd | | | |
| Toa Nenryo Kogyo..... | Kawasaki | 200.0 | 3.53 |
| 25.00% Exxon Corp. | | | |
| 25.00% Mobil Oil Corp. | | | |
| 50.00% Toa Nenryo Kogyo | | | |
| Toa Nenryo Kogyo..... | Shimizu | 43.5 | 0.77 |
| 25.00% Exxon Corp. | | | |
| 25.00% Mobil Oil Corp. | | | |
| 50.00% Toa Nenryo Kogyo | | | |
| Toa Nenryo Kogyo..... | Wakayama | 187.0 | 3.30 |
| 25.00% Exxon Corp. | | | |
| 25.00% Mobil Oil Corp. | | | |
| 50.00% Toa Nenryo Kogyo | | | |
| Toa Oil Co., Ltd..... | Kawasaki | 100.0 | 1.77 |
| 10.00% Japan Line | | | |
| 90.00% Toa Oil Co., Ltd. | | | |
| Toho Oil Co., Ltd..... | Owase | 40.0 | 0.71 |
| 33.3% Idemitsu Kosan Co. | | | |
| 33.3% Mitsubishi Group | | | |
| 33.4% Toho Oil Co., Ltd | | | |
| Tohoku Oil Co..... | Senda | 100.0 | 1.77 |
| 20.00% Getty Oil Co. | | | |
| 20.00% Mitsubishi Oil Co., Ltd. | | | |
| 60.00% Tohoku Oil Co. | | | |
| Toyo Petroleum Refining Co..... | Nakagusuku, Okinawa | 28.0 | 0.48 |
| 33.8% Nippon Oil Co. | | | |
| 17.0% Texaco Inc. | | | |
| 32.2% Toyo Petroleum Refining Co. | | | |
| 17.00% Standard Oil Co. of California | | | |
| Malaysia..... | | 126.0 | 100.00 |
| Esso Malaysia Berhad..... | Port Dickson | 35.0 | 27.78 |
| 35.00% Esso Malaysia Berhad | | | |
| 65.00% Exxon Corp. | | | |
| Sarawak Shell Oilfields, Ltd..... | Lutong | 60.0 | 47.62 |
| 100.00% Royal Dutch/Shell | | | |
| Shell Refining Co., Ltd., Malaya..... | Port Dickson | 31.0 | 24.60 |
| 75.00% Royal Dutch/Shell | | | |
| 25.00% Shell Refining Co., Ltd., Malaya | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|--------------------------|---|------------------|
| Far East and Oceania (Continued) | | | |
| New Zealand..... | | 54.0 | 100.00 |
| New Zealand Refining Co., Ltd..... | Marsden Point | 54.0 | 100.00 |
| 23.57% British Petroleum Co. | | | |
| 19.20% Mobil Oil Corp. | | | |
| 31.52% New Zealand Refining Co., Ltd | | | |
| 17.14% Royal Dutch/Shell | | | |
| 4.28% Standard Oil Co. of California | | | |
| 4.29% Texaco Inc. | | | |
| Pakistan..... | | 79.2 | 100.00 |
| Attock Oil Co., Ltd..... | Rawalpindi | 11.6 | 14.65 |
| 100.00% Attock Oil Co., Ltd. | | | |
| National Refinery, Ltd..... | Korangi | 12.6 | 15.91 |
| 100.00% Pakistani Govt. | | | |
| Pakistan Refinery, Ltd..... | Karachi | 55.0 | 69.44 |
| 15.00% Burmah Oil Co., Ltd | | | |
| 18.00% Exxon Corp. | | | |
| 40.00% Pakistan Refinery, Ltd. | | | |
| 15.00% Royal Dutch/Shell | | | |
| 6.00% Standard Oil Co. of California | | | |
| 6.00% Texaco Inc. | | | |
| Philippines..... | | 274.0 | 100.00 |
| Bataan Refining Corp..... | Limax | 108.0 | 39.42 |
| 43.00% Mobile Oil Corp. | | | |
| 57.00% Philippines Govt. | | | |
| Caltex (Philippines) Inc..... | Batangas | 70.0 | 25.55 |
| 50.00% Standard Oil Co. of California | | | |
| 50.00% Texaco Inc. | | | |
| Philippines National Oil Co..... | Rosa Rio | 28.0 | 10.22 |
| 100.00% Philippines Govt. | | | |
| Shell Philippines Inc..... | Batangas | 68.0 | 24.81 |
| 75.00% Royal Dutch/Shell | | | |
| 25.00% Shell Philippines Inc. | | | |
| Singapore..... | | 1,026.0 | 100.00 |
| BP Refinery Singapore..... | Tanjong Berlayer | 26.0 | 2.53 |
| 100.00% British Petroleum Co. | | | |
| Esso Singapore Private, Ltd..... | Pulau Ayer Chawan | 230.0 | 22.41 |
| 100.00% Exxon Corp. | | | |
| Mobil Oil Malaya..... | Jurong Industrial Estate | 175.0 | 17.06 |
| 100.00% Mobile Oil Corp. | | | |
| Shell Eastern Petroleum, Ltd..... | Pulau Bukum | 530.0 | 51.66 |
| 100.00% Royal Dutch/Shell | | | |
| Singapore Petroleum Co..... | Pulau Merlimau | 65.0 | 6.34 |
| 33.34% Singapore Govt. | | | |
| 33.33% Standard Oil Co. of Indiana | | | |
| 33.33% Summit Industrial Corp. | | | |
| South Korea..... | | 425.0 | 100.00 |
| Honam Oil Refinery Co., Ltd..... | Yosu | 160.0 | 37.65 |
| 50.00% Lucky Chemical Co. | | | |
| 25.00% Standard Oil Co. of California | | | |
| 25.00% Texaco Inc. | | | |
| Korea Oil Corp..... | Ulsan | 210.0 | 49.41 |
| 50.00% Gulf Oil Corp. | | | |
| 50.00% Korean Govt. | | | |
| Kyungin Energy Co..... | Inchon | 55.0 | 12.94 |
| 50.00% Korea Explosives Co. | | | |
| 50.00% Union Oil Co. of California | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|--------------|--|------------------|
| Far East and Oceania (Continued) | | | |
| Sri Lanka..... | | 34.4 | 100.00 |
| Ceylon Petroleum Corp..... | Sapugaskanda | 34.4 | 100.00 |
| 100.00% Sri Lanka Govt. | | | |
| Taiwan..... | | 244.0 | 100.00 |
| Chinese Petroleum Corp..... | Kaohsiung | 244.0 | 100.00 |
| 100.00% Taiwanese Govt. | | | |
| Thailand..... | | 166.2 | 100.00 |
| Defense Energy Department..... | Bangkok | 65.0 | 39.11 |
| 100.00% Thailand Govt. | | | |
| Defense Energy Department..... | Chieng Mai | 1.2 | 0.72 |
| 100.00% Thailand Govt. | | | |
| Esso Standard Thailand, Ltd..... | Srirachi | 35.0 | 21.06 |
| 100.00% Exxon Corp. | | | |
| Thai Oil Refinery Co., Ltd..... | Srirachi | 65.0 | 39.11 |
| 30.00% Royal Dutch/Shell | | | |
| 70.00% Thai Oil Refinery Co., Ltd. | | | |
| Western Europe | | 20,016.9 | ... |
| Austria..... | | 220.0 | 100.00 |
| OMV A/G..... | Schwechat | 220.0 | 100.00 |
| 100.00% Austrian Govt. | | | |
| Belgium..... | | 1,093.8 | 100.00 |
| Albatros S/A..... | Antwerp | 120.0 | 10.97 |
| 100.00% Wintershall A/G | | | |
| Belgian Shell S/A..... | Ghent | 9.4 | 0.86 |
| 100.00% Royal Dutch/Shell | | | |
| Chevron Belgium..... | Feluy | 140.0 | 12.80 |
| 100.00% Standard Oil Co. of California | | | |
| Esso Belgium N.V..... | Antwerp | 265.0 | 24.23 |
| 100.00% Exxon Corp. | | | |
| Raffinerie Belge Des Petroles..... | Antwerp | 98.0 | 8.96 |
| 100.00% Occidental Petroleum Corp. | | | |
| Societe Industrielle Belge Des Petroles..... | Antwerp | 321.4 | 29.38 |
| 50.00% British Petroleum Co. | | | |
| 50.00% Petrofina S.A. | | | |
| Texaco Belgium N.V..... | Ghent | 140.0 | 12.80 |
| 100.00% Texaco Inc. | | | |
| Cyprus..... | | 15.0 | 100.00 |
| Cyprus Petroleum Refinery, Ltd..... | Larnaca | 15.0 | 100.00 |
| 15.00% British Petroleum Co. | | | |
| 35.00% Cyprus Govt. | | | |
| 20.00% Mobil Oil Corp. | | | |
| 15.00% Petrolina Marketing Co. | | | |
| 15.00% Royal Dutch/Shell | | | |
| Denmark..... | | 220.0 | 100.00 |
| Dansk Esso..... | Kalundborg | 71.0 | 32.27 |
| 100.00% Exxon Corp. | | | |
| Dansk Shell..... | Fredericia | 59.0 | 26.82 |
| 100.00% Royal Dutch/Shell | | | |
| Gulf Oil Refining A/S..... | Stigsnaes | 90.0 | 40.91 |
| 100.00% Gulf Oil Corp. | | | |
| Finland..... | | 196.0 | 100.00 |
| Neste OY..... | Naantali | 56.0 | 28.57 |
| 100.00% Finnish Govt. | | | |
| Neste OY..... | Porvoo | 140.0 | 71.43 |
| 100.00% Finnish Govt. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|-----------------------|---|---------------------|
| Western Europe (Continued) | | | |
| France..... | | 3,341.7 | 100.00 |
| Antar Petroles De l'Atlantique..... | Donges | 143.0 | 4.28 |
| 24.00% Cie. Francaise Des Petroles | | | |
| 51.00% French Govt. | | | |
| 5.00% Pechelbronn S.A. | | | |
| 10.00% Standard Oil Co. of California | | | |
| 10.00% Texaco Inc. | | | |
| Antar Petroles De l'Atlantique..... | Valenciennes | 62.0 | 1.86 |
| 24.00% Cie. Francaise Des Petroles | | | |
| 51.00% French Govt. | | | |
| 5.00% Pechelbronn S.A. | | | |
| 10.00% Standard Oil Co. of California | | | |
| 10.00% Texaco Inc. | | | |
| Antar Petroles De l'Atlantique..... | Vern-Sur-Seiche | 26.0 | 0.78 |
| 24.00% Cie. Francaise Des Petroles | | | |
| 51.00% French Govt. | | | |
| 5.00% Pechelbronn S.A. | | | |
| 10.00% Standard Oil Co. of California | | | |
| 10.00% Texaco Inc. | | | |
| Cie. Francaise De Raffinage..... | Gonfreville | 484.0 | 14.48 |
| 55.00% Cie. Francaise Des Petroles | | | |
| 45.00% Cie. Francaise De Raffinage | | | |
| Cie. Francaise De Raffinage..... | La Mede | 212.0 | 6.34 |
| 55.00% Cie. Francaise Des Petroles | | | |
| 45.00% Cie. Francaise De Raffinage | | | |
| Cie. Francaise De Raffinage..... | Mardyk, Dunkerque | 125.0 | 3.74 |
| 55.00% Cie. Francaise Des Petroles | | | |
| 45.00% Cie. Francaise De Raffinage | | | |
| Cie. Rhenane De Raffinage..... | Reichstett-Vendenheim | 75.0 | 2.24 |
| 6.00% French Govt. | | | |
| 5.00% Mobil Oil Corp. | | | |
| 85.00% Royal Dutch Shell | | | |
| 2.00% Standard Oil Co. of California | | | |
| 2.00% Texaco Inc. | | | |
| Elf Union..... | Feyzin | 178.0 | 5.33 |
| 100.00% French Govt. | | | |
| Elf Union Industrielle Des Petroles..... | Bec d'Ambe | 43.0 | 1.29 |
| 60.00% French Govt. | | | |
| 20.00% Standard Oil Co. of California | | | |
| 20.00% Texaco Inc. | | | |
| Elf Union Industrielle Des Petroles..... | Gargenville | 136.0 | 4.07 |
| 60.00% French Govt. | | | |
| 20.00% Standard Oil Co. of California | | | |
| 20.00% Texaco Inc. | | | |
| Elf Union Industrielle Des Petroles..... | Grandpuits | 75.0 | 2.24 |
| 60.00% French Govt. | | | |
| 20.00% Standard Oil Co. of California | | | |
| 20.00% Texaco Inc. | | | |
| Esso Standard SAF..... | Bordeaux | 60.0 | 1.80 |
| 18.4% Gulf Oil Corp. | | | |
| 18.4% Esso Standard SAF | | | |
| 63.2% Exxon Corp. | | | |
| Esso Standard SAF..... | Fos-Sur-Mer | 170.0 | 5.09 |
| 18.4% Gulf Oil Corp. | | | |
| 18.4% Esso Standard SAF | | | |
| 63.2% Exxon Corp. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|----------------|--|------------------|
| Western Europe (Continued) | | | |
| France (Continued) | | | |
| Esso Standard SAF..... 18.4% Gulf Oil Corp. 18.4% Esso Standard SAF 63.2% Exxon Corp. | Port Jerome | 150.0 | 4.49 |
| Mobil Oil Francaise..... 100.00% Mobil Oil Corp. | Frontignan | 120.0 | 3.59 |
| Mobil Oil Francaise..... 100.00% Mobil Oil Corp. | Gravenchon | 72.5 | 2.17 |
| Raffinerie De Strasbourg..... 33.33% British Petroleum Co. 41.33% Cie. Francaise Des Petroles 17.01% French Govt. 1.67% Pechelbronn, S.A. 3.33% Standard Oil Co. of California 3.33% Texaco Inc. | Herrlisheim | 95.0 | 2.84 |
| Shell Francaise..... 86.5% Royal Dutch/Shell 13.5% Shell Francaise | Berre l'Etang | 285.0 | 8.53 |
| Shell Francaise..... 86.5% Royal Dutch/Shell 13.5% Shell Francaise | Pauillac | 90.0 | 2.69 |
| Shell Francaise..... 86.5% Royal Dutch/Shell 13.5% Shell Francaise | Petit Couronne | 200.0 | 5.99 |
| Soc. Francaise Des Petroles BP..... 70.00% British Petroleum Co. 30.00% Soc. Francaise Des Petroles BP | Dunkirk | 118.8 | 3.55 |
| Soc. Francaise Des Petroles BP..... 70.00% British Petroleum Co. 30.00% Soc. Francaise Des Petroles BP | Lavera | 243.2 | 7.29 |
| Soc. Francaise Des Petroles BP..... 70.00% British Petroleum Co. 30.00% Soc. Francaise Des Petroles BP | Vernon | 73.2 | 2.19 |
| Soc. De La Raffinerie De Lorraine..... 23.00% Cie. Francaise De Raffinage 28.00% Cie. Francaise Des Petroles 40.00% Exxon Corp. 9.00% French Govt. | Havreconcourt | 105.0 | 3.13 |
| Greece..... Hellenic Aspropyrgos Refinery..... 100.00% Greek Govt. | Aspropyrgos | 411.0 98.0 | 100.00 23.85 |
| Motor Oil (Hellas) Corinth Ref..... 100.00% Vardinoyannis Group | Corinth | 140.0 | 34.06 |
| Petrola Hellas SA..... 100.00% Latsis Group | Eleusis | 100.0 | 24.33 |
| Thessaloniki Refining Co..... 50.00% Exxon Corp. 50.00% Thomas A. Pappas | Thessaloniki | 73.0 | 17.76 |
| Ireland..... Irish Refining Co., Ltd..... 16.00% British Petroleum Co. 40.00% Exxon Corp. 24.00% Royal Dutch/Shell 20.00% Texaco Inc. | White Gate | 56.0 56.0 | 100.00 100.00 |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|-----------------------|--|------------------|
| Western Europe (Continued) | | | |
| Italy..... | | 3,952.7 | 100.00 |
| Amoco Italia..... | Cremona | 100.0 | 2.53 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Anic SPA..... | Gela | 90.0 | 2.28 |
| 27.00% Anic SPA | | | |
| 73.00% Italian Govt. (ENI) | | | |
| Anic SPA..... | Sannazzaro d'Burgondi | 122.0 | 3.09 |
| 27.00% Anic SPA | | | |
| 73.00% Italian Govt. (ENI) | | | |
| Anonima Petroli Italiana..... | Falconara Marittima | 81.0 | 2.05 |
| 100.00% Anonima Petroli Italiana | | | |
| ERG-Raff. Edoardo Garrone..... | Genoa | 147.0 | 3.72 |
| 100.00% ERG-Raff. Edoardo Garrone | | | |
| Esso Italiana..... | Augusta | 210.0 | 5.31 |
| 100.00% Exxon Corp. | | | |
| Gaeta Industrie Petroli..... | Gaeta | 39.9 | 1.00 |
| 100.00% Attilio Monti Group | | | |
| Gulf Italiana..... | Bertonica | 80.0 | 2.02 |
| 75.00% Gulf Oil Corp. | | | |
| 25.00% Mobil Oil Corp. | | | |
| Industrie Chimiche Italiane Del Petrolio..... | Mantova | 65.0 | 1.64 |
| 100.00% Cie. Francaise Des Petroles | | | |
| Industria Italiana Petroli..... | La Spezia | 103.0 | 2.61 |
| 100.00% Italian Govt. (ENI) | | | |
| Industria Italiana Petroli..... | Rho | 80.0 | 2.02 |
| 100.00% Italian Govt. (ENI) | | | |
| Industria Italiana Petroli..... | Taranto | 88.0 | 2.23 |
| 100.00% Italian Govt. (ENI) | | | |
| Industria Leganti Stradali Del Affini..... | Como | 7.9 | 0.20 |
| 100.00% Industria Leganti Stradali Del Affini | | | |
| Industria Raffinazione Olii Minerali..... | Porto Marghera | 110.0 | 2.78 |
| 49.00% Attilio Monti Group | | | |
| 51.00% Italian Govt. (ENI) | | | |
| Iplom-Raffineria Petroli..... | Sarissola | 31.2 | 0.79 |
| 100.00% Iplom-Raffineria Petroli | | | |
| Liquichimica SPA..... | Milan | 12.0 | 0.30 |
| 100.00% Liquichimica SPA | | | |
| Lombarda Petroli..... | Villasanta | 23.5 | 0.60 |
| 20.00% Cie. Francaise Des Petroles | | | |
| 80.00% Lombarda Petroli | | | |
| Mediterranea SPA..... | Milazzo | 505.0 | 12.78 |
| 100.00% Mediterranea SPA | | | |
| Mobil Oil Italiana..... | Naples | 130.0 | 3.29 |
| 100.00% Mobil Oil Corp. | | | |
| Montedison SPA..... | Brindisi | 30.0 | 0.76 |
| 100.00% Montedison SPA | | | |
| Montedison SPA..... | Priolo | 300.0 | 7.59 |
| 100.00% Montedison SPA | | | |
| Raffineria Dellepiane..... | Genoa | 20.0 | 0.51 |
| 100.00% Raffineria Dellepiane | | | |
| Raffineria Di Roma..... | Rome | 80.3 | 2.03 |
| 20.0% Cie. Francaise Des Petroles | | | |
| 57.5% Petrofina S.A. | | | |
| 22.5% Standard Oil Co. of California | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---------------------------------------|--------------|--|------------------|
| Western Europe (Continued) | | | |
| Italy (Continued) | | | |
| Raffineria Olii Lubricanti..... | Viguzzola | 1.4 | 0.04 |
| 100.00% Raffineria Olii Lubricanti | | | |
| Sanquirico SPA..... | Genoa | 32.5 | 0.82 |
| 100.00% Sanquirico SPA | | | |
| Saras SPA..... | Sarrock | 360.0 | 9.11 |
| 100.00% Saras SPA | | | |
| Sarom Raffinazione SPA..... | Ravenna | 332.0 | 8.40 |
| 100.00% Sarom Raffinazione SPA | | | |
| Sarpom..... | Novara | 235.0 | 5.95 |
| 64.00% Exxon Corp. | | | |
| 26.00% Standard Oil Co. of California | | | |
| 10.00% Texaco Inc. | | | |
| Societa Italiana Resine SPA..... | Porto Torres | 118.8 | 3.01 |
| 100.00% Soc. Italiana Resine | | | |
| Societa Petrolifera Italiana..... | La Spezia | 18.4 | 0.47 |
| 53.00% Phillips Petroleum Co. | | | |
| 47.00% Soc. Petrolifera Italiana | | | |
| Stanic SPA..... | Bari | 90.0 | 2.28 |
| 50.00% Exxon Corp. | | | |
| 50.00% Italian Govt. (ENI) | | | |
| Stanic SPA..... | Livorno | 125.0 | 3.16 |
| 50.00% Exxon Corp. | | | |
| 50.00% Italian Govt. (ENI) | | | |
| Total Italiana-Aquila..... | Trieste | 111.0 | 2.81 |
| 100.00% Cie. Francaise Des Petroles | | | |
| Volpiano Refinery..... | Volpiano | 72.8 | 1.82 |
| 100.00% Attilio Monti Group | | | |
| Netherlands..... | | 1,970.5 | 100.00 |
| BP Raffinaderij Nederland..... | Rotterdam | 490.0 | 24.87 |
| 100.00% British Petroleum Co., Ltd. | | | |
| Chevron Petroleum Maatschappij..... | Pernis | 300.0 | 15.22 |
| 68.4% Standard Oil Co. of California | | | |
| 31.6% Texaco Inc. | | | |
| Esso Nederland B.V..... | Rotterdam | 325.0 | 16.49 |
| 100.00% Exxon Corp. | | | |
| Gulf Oil Raffinaderij..... | Europoort | 94.0 | 4.77 |
| 100.00% Gulf Oil Corp. | | | |
| Mobil Oil B.V..... | Amsterdam | 125.0 | 6.34 |
| 100.00% Mobil Oil Corp. | | | |
| Shell Nederland Raffinaderij..... | Pernis | 500.0 | 25.37 |
| 100.00% Royal Dutch/Shell | | | |
| Smid and Hollander N.V..... | Amsterdam | 6.5 | 0.33 |
| 100.00% Smid and Hollander N.V. | | | |
| Total Raffinaderij Nederland N.V..... | Flushing | 130.0 | 6.61 |
| 100.00% Cie. Francaise Des Petroles | | | |
| Norway..... | | 258.0 | 100.00 |
| Norsk Esso A/S..... | Slagen | 110.0 | 42.64 |
| 100.00% Exxon Corp. | | | |
| Norsk Esso A/S..... | Vallo | 3.0 | 1.16 |
| 100.00% Exxon Corp. | | | |
| Norsk Shell A/S..... | Stavanger | 55.0 | 21.32 |
| 100.00% Royal Dutch/Shell | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|------------------------------|---|------------------|
| Western Europe (Continued) | | | |
| Norway (Continued) | | | |
| Raffinor A/S..... | Mongstad | 90.0 | 34.88 |
| 33.00% British Petroleum Co. | | | |
| 60.00% Norsk Hydro (51% Govt.) | | | |
| 7.00% Raffinor A/S | | | |
| Portugal..... | | 110.0 | 100.00 |
| Sacor..... | Lisbon | 40.0 | 36.36 |
| 100.00% Portuguese Govt. | | | |
| Sacor..... | Oporto | 70.0 | 63.64 |
| 100.00% Portuguese Govt. | | | |
| Spain..... | | 1,165.0 | 100.00 |
| Asfalto Espanoles S.A..... | Tarragona | 18.0 | 1.55 |
| 50.00% Cia. Arrendaria Del Petrolcos | | | |
| 50.00% Cia. Espanola De Petroleos | | | |
| Cia. Espanola De Petroleos..... | Algeciras | 160.0 | 13.73 |
| 100.00% Cia. Espanola De Petroleos | | | |
| Cia. Espanola De Petroleos..... | Santa Cruz De Tenerife, C.I. | 175.0 | 15.02 |
| 100.00% Cia. Espanola De Petroleos | | | |
| Cia. Iberica Refinadora De Petroleos..... | La Coruna | 120.0 | 10.30 |
| 4.00% Cia. Espanola De Petroleos | | | |
| 16.00% Cia. Iberica Ref. De Petrolcos | | | |
| 28.00% Marathon Oil Co. | | | |
| 52.00% Spanish Govt. | | | |
| Empresa National De Refino..... | Escombreras | 220.0 | 18.88 |
| 72.00% Spanish Govt. | | | |
| 6.00% Spanish Private Interests | | | |
| 11.00% Standard Oil Co. of California | | | |
| 11.00% Texaco Inc. | | | |
| Empresa National De Refino..... | Puertollano | 152.0 | 13.05 |
| 72.00% Spanish Govt. | | | |
| 6.00% Spanish Private Interests | | | |
| 11.00% Standard Oil Co. of California | | | |
| 11.00% Texaco Inc. | | | |
| Esso Petroleos Espanoles..... | Castellon De La Plana | 80.0 | 6.87 |
| 100.00% Banco Espanol De Credito | | | |
| Refineria De Petroleos Del Norte..... | Bilbao | 160.0 | 13.73 |
| 30.00% Cia. Arrendaria Del Petroleos | | | |
| 40.00% Gulf Oil Corp. | | | |
| 30.00% Spanish Private Interests | | | |
| Union Explosivos Rio Tinto..... | Huelva | 80.0 | 6.87 |
| 100.00% Union Explosivos Rio Tinto | | | |
| Sweden..... | | 413.0 | 100.00 |
| BP Raffinaderi A/B..... | Gothenburg | 110.0 | 26.63 |
| 100.00% British Petroleum Co. | | | |
| Koppertrans Olje A/B..... | Gothenburg | 100.0 | 24.21 |
| 100.00% Royal Dutch/Shell | | | |
| Nynas Petroleum A/B..... | Gothenburg | 5.7 | 1.38 |
| 100.00% Nynas Petroleum A/B | | | |
| Nynas Petroleum A/B..... | Malmo | 3.8 | 0.92 |
| 100.00% Nynas Petroleum A/B | | | |
| Nynas Petroleum A/B..... | Nynasham | 28.5 | 6.90 |
| 100.00% Nynas Petroleum A/B | | | |
| Scandinaviska Raffinaderi A/B..... | Lysekil | 165.0 | 39.96 |
| 80.0% Swedish Cooperative | | | |
| 20.0% Texaco Inc. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--------------------------------------|--------------------------|--|------------------|
| Western Europe (Continued) | | | |
| Switzerland..... | | | |
| Raffinerie De Cressier..... | Cressier | 138.0 | 100.00 |
| 25.00% Gulf Oil Corp. | | 65.0 | 47.10 |
| 75.00% Royal Dutch/Shell | | | |
| Raffinerie Du Sud-Ouest..... | Collombey | 73.0 | 52.90 |
| 24.40% British Petroleum Co. | | | |
| 3.00% Cie. Francaise Des Petroles | | | |
| 41.50% Exxon Corp. | | | |
| 21.80% Italian Govt. | | | |
| 3.30% Petrofina S.A. | | | |
| 6.00% Texaco Inc. | | | |
| Turkey..... | | 315.5 | 100.00 |
| Anadolu Tasfiyehanesi AS..... | Mersin | 90.0 | 28.53 |
| 17.00% British Petroleum Co. | | | |
| 5.00% Marmara Refining Co. | | | |
| 51.00% Mobil Oil Corp. | | | |
| 27.00% Royal Dutch/Shell | | | |
| Istanbul Petrol Rafinerisi AS..... | Izmit | 140.0 | 44.37 |
| 100.00% Turkish Govt. | | | |
| Turkish Petroleum Co..... | Aliaga-Izmir | 62.7 | 19.87 |
| 100.00% Turkish Govt. | | | |
| Turkish Petroleum Co..... | Batman | 22.8 | 7.23 |
| 100.00% Turkish Govt. | | | |
| United Kingdom..... | | 2,873.0 | 100.00 |
| Amoco (U.K.) Ltd..... | Milford Haven | 90.0 | 3.13 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Berry Wiggins and Co., Ltd..... | Kingsnorth on the Medway | 2.0 | 0.07 |
| 100.00% Berry Wiggins & Co., Ltd. | | | |
| BP Refinery (Grangemouth)..... | Grangemouth | 186.2 | 6.48 |
| 100.00% British Petroleum Co. | | | |
| BP Refinery (Kent)..... | Isle of Grain | 229.9 | 8.00 |
| 100.00% British Petroleum Co. | | | |
| BP Refinery (Northern Ireland)..... | Belfast | 32.3 | 1.12 |
| 100.00% British Petroleum Co. | | | |
| BP Refinery, Ltd..... | Llandarcy, Neath | 174.8 | 6.08 |
| 100.00% British Petroleum Co. | | | |
| Burmah-Castrol Co..... | Ellesmere Port | 25.3 | 0.88 |
| 100.00% Burmah Oil Co., Ltd. | | | |
| Conoco Ltd..... | South Killingholme | 87.5 | 3.05 |
| 100.00% Continental Oil Co. | | | |
| Esso Petroleum Co. Ltd..... | Fawley | 391.0 | 13.61 |
| 100.00% Exxon Corp. | | | |
| Esso Petroleum Co. Ltd..... | Milford Haven | 309.0 | 10.76 |
| 100.00% Exxon Corp. | | | |
| Gulf Oil Refining Ltd..... | Milford Haven | 103.0 | 3.59 |
| 100.00% Gulf Oil Corp. | | | |
| Lindsey Oil Refinery Ltd..... | Killingholme | 189.0 | 6.58 |
| 50.00% Cie. Francaise Des Petroles | | | |
| 50.00% Petrofina, S.A. | | | |
| Mobil Oil Co. Ltd..... | Coryton | 175.0 | 6.09 |
| 100.00% Mobil Oil Corp. | | | |
| Phillips Imperial Petroleum Ltd..... | North Tees | 100.0 | 3.48 |
| 50.00% Imperial Chemical Industries | | | |
| 50.00% Phillips Petroleum Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---------------------------------------|-------------------|--|------------------|
| Western Europe (Continued) | | | |
| United Kingdom (Continued) | | | |
| Philmac Oils Ltd. | Eastham | 13.0 | 0.45 |
| 50.00% Phillips Petroleum Co. | | | |
| 50.00% Tarmac Derby Ltd. | | | |
| Shell U.K. Ltd. | Ardrossan | 6.0 | 0.21 |
| 100.00% Royal Dutch/Shell | | | |
| Shell U.K. Ltd. | Heysham | 39.0 | 1.36 |
| 100.00% Royal Dutch/Shell | | | |
| Shell U.K. Ltd. | Shell Haven | 200.0 | 6.96 |
| 100.00% Royal Dutch/Shell | | | |
| Shell U.K. Ltd. | Stanlow | 215.0 | 7.48 |
| 100.00% Royal Dutch/Shell | | | |
| Shell U.K. Ltd. | Tecs Port | 125.0 | 4.35 |
| 100.00% Royal Dutch/Shell | | | |
| Texaco Ltd. | Pembroke | 180.0 | 6.27 |
| 100.00% Texaco Inc. | | | |
| Yugoslavia | | 281.0 | 100.00 |
| INA Industria Nafte Zagreb..... | Rijeka | 96.0 | 34.16 |
| 100.00% Yugoslav Govt. | | | |
| INA Industria Nafte Zagreb..... | Sisak | 77.0 | 27.40 |
| 100.00% Yugoslav Govt. | | | |
| Nafta Gas Corp. Novi Sad..... | Novi Sad | 12.0 | 4.27 |
| 100.00% Yugoslav Govt. | | | |
| Nafta Gas Corp. Pancevo..... | Pancevo | 30.0 | 10.68 |
| 100.00% Yugoslav Govt. | | | |
| Rafinerija Nafte Bosanski..... | Bosanski Brod | 54.0 | 19.22 |
| 100.00% Yugoslav Govt. | | | |
| Rafinerija Nafte Lendava..... | Lendava | 12.0 | 4.27 |
| 100.00% Yugoslav Govt. | | | |
| West Germany..... | | 2,986.7 | 100.00 |
| Caltex Deutschland..... | Raunheim | 90.0 | 3.01 |
| 50.00% Standard Oil Co. of California | | | |
| 50.00% Texaco Inc. | | | |
| Deutsche BP..... | Dinslaken | 203.3 | 6.81 |
| 100.00% British Petroleum Co. | | | |
| Deutsche BP..... | Hamburg | 103.9 | 3.48 |
| 100.00% British Petroleum Co. | | | |
| Deutsche BP..... | Vohburg | 104.5 | 3.50 |
| 100.00% British Petroleum Co. | | | |
| Deutsche Marathon..... | Burghausen | 70.0 | 2.34 |
| 100.00% Marathon Oil Co. | | | |
| Deutsche Shell..... | Godorf | 165.0 | 5.52 |
| 100.00% Royal Dutch/Shell | | | |
| Deutsche Shell..... | Harburg-Grasbrook | 85.0 | 2.85 |
| 100.00% Royal Dutch/Shell | | | |
| Deutsche Shell..... | Ingolstadt | 55.0 | 1.84 |
| 100.00% Royal Dutch/Shell | | | |
| Deutsche Shell..... | Monheim | 7.0 | 0.23 |
| 100.00% Royal Dutch/Shell | | | |
| Deutsche Texaco..... | Heide | 105.0 | 3.52 |
| 100.00% Texaco Inc. | | | |
| Erdol Raffinerie Duisburg..... | Duisburg | 37.8 | 1.27 |
| 20.00% Cie. Francaise Des Petroles | | | |
| 80.00% Petrofina S.A. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|----------------|--|------------------|
| Western Europe (Continued) | | | |
| West Germany (Continued) | | | |
| Erdol Raffinerie Ingolstadt..... | Ingolstadt | 130.0 | 4.35 |
| 50.00% Italian Govt. | | | |
| 50.00% Veba A.G. | | | |
| Erdol Raffinerie Mannheim..... | Mannheim | 113.5 | 3.82 |
| 40.00% Marathon Oil Co. | | | |
| 60.00% Wintershall A.G. | | | |
| Erdol Raffinerie Neustadt..... | Neustadt-Donau | 144.0 | 4.82 |
| 50.00% Mobil Oil Corp. | | | |
| 50.00% Veba A.G. | | | |
| Erdol Raffinerie Speyer..... | Speyer | 57.8 | 1.91 |
| 75.00% French Govt. | | | |
| 25.00% Veba A.G. | | | |
| Erdolwerke Frisia..... | Emden | 47.5 | 1.59 |
| 100.00% Veba A.G. | | | |
| Esso A.G..... | Cologne | 115.0 | 3.85 |
| 100.00% Exxon Corp. | | | |
| Esso A.G..... | Hamburg | 110.0 | 3.68 |
| 100.00% Exxon Corp. | | | |
| Esso A.G..... | Ingolstadt | 100.0 | 3.35 |
| 100.00% Exxon Corp. | | | |
| Esso A.G..... | Karlsruhe | 180.0 | 6.03 |
| 100.00% Exxon Corp. | | | |
| Gelsenberg A.G..... | Gelsenkirchen | 144.0 | 4.82 |
| 100.00% Veba A.G. | | | |
| Gewerkschaft Erdol Raff. Deurag-Neurag..... | Misburg | 54.0 | 1.81 |
| 50.00% Exxon Corp. | | | |
| 50.00% Royal Dutch/Shell | | | |
| Mobil Oil A.G..... | Bremen | 30.0 | 1.00 |
| 100.00% Mobil Oil Corp. | | | |
| Mobil Oil A.G..... | Woerth | 75.0 | 2.51 |
| 100.00% Mobil Oil Corp. | | | |
| Oberrhainische Mineralolwerke..... | Karlsruhe | 128.0 | 4.29 |
| 10.00% Continental Oil Co. | | | |
| 45.00% Texaco Inc. | | | |
| 45.00% Veba A.G. | | | |
| Occidental OEL..... | Brunsbuttel | 7.5 | 0.25 |
| 100.00% Occidental Petroleum Corp. | | | |
| Occidental OEL..... | Essen | 20.0 | 0.67 |
| 100.00% Occidental Petroleum Corp. | | | |
| Oelwerke Julius Schindler..... | Hamburg | 8.0 | 0.27 |
| 100.00% British Petroleum Co. | | | |
| Saarland Raffinerie..... | Klarenthal | 55.2 | 1.85 |
| 25.00% Cie. Francaise Des Petroles | | | |
| 25.00% French Govt. | | | |
| 50.00% West German Govt. | | | |
| Union Rheinische Braunkohlen..... | Wesseling | 125.0 | 4.19 |
| 100.00% Union Rheinische Braunkohlen | | | |
| Veba-Chemie A.G..... | Gelsenkirchen | 215.7 | 7.22 |
| 100.00% Veba A.G. | | | |
| Wintershall A.G..... | Lingen | 95.0 | 3.18 |
| 100.00% Wintershall A.G. | | | |
| Wintershall A.G..... | Salzbergen | 5.0 | 0.17 |
| 100.00% Wintershall A.G. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|-------------|--|------------------|
| North America..... | | | |
| United States..... | | 17,867.2 | ... |
| Alabama..... | | 14,995.3 | 100.00 |
| Hunt Oil Co..... | Tuscaloosa | 38.3 | 0.26 |
| 100.00% Hunt Oil Co. | | 18.0 | 0.12 |
| Marion Corp..... | Theodore | 17.3 | 0.12 |
| 100.00% Marion Corp. | | | |
| Warrior Asphalt Corp..... | Tuscaloosa | 3.0 | 0.02 |
| 100.00% Warrior Asphalt Corp. | | | |
| Alaska..... | | | |
| Atlantic Richfield Co..... | North Slope | 66.1 | 0.44 |
| 100.00% Atlantic Richfield Co. | | 4.8 | 0.03 |
| British Petroleum Co..... | North Slope | 1.3 | 0.01 |
| 100.00% British Petroleum Co. | | | |
| Standard Oil Co. of California..... | Kenai | 22.0 | 0.15 |
| 100.00% Standard Oil Co. of California | | | |
| Tesoro-Alaskan Petroleum Corp..... | Kenai | 38.0 | 0.25 |
| 100.00% Tesoro Petroleum Corp. | | | |
| Arizona..... | | | |
| Arizona Fuels Corp..... | Fredonia | 4.0 | 0.03 |
| 100.00% Arizona Fuels Corp. | | 4.0 | 0.03 |
| Arkansas..... | | | |
| Berry Petroleum Co..... | Stephens | 60.9 | 0.41 |
| 100.00% Commonwealth United Corp | | 3.4 | 0.02 |
| Cross Oil and Refining Co..... | Smackover | 6.0 | 0.04 |
| 100.00% Henry H. Cross Co. | | | |
| Lion Oil Co..... | El Dorado | 47.0 | 0.32 |
| 100.00% Monsanto Co. | | | |
| McMillian Ring-Free Oil Co..... | Norphlet | 4.5 | 0.03 |
| 100.00% McMillian Ring-Free Oil Co. | | | |
| California..... | | | |
| Atlantic Richfield Co..... | Carson | 1,911.9 | 12.75 |
| 100.00% Atlantic Richfield Co. | | 185.0 | 1.23 |
| Beacon Oil Co..... | Hanford | 12.0 | 0.08 |
| 100.00% Beacon Oil Co. | | | |
| Champlin Petroleum Co..... | Wilmington | 30.6 | 0.20 |
| 100.00% Union Pacific Corp. | | | |
| Douglas Oil Co. of California..... | Paramount | 46.0 | 0.30 |
| 100.00% Continental Oil Co. | | | |
| Douglas Oil Co. of California..... | Santa Maria | 9.5 | 0.06 |
| 100.00% Continental Oil Co. | | | |
| Edgington Oil Co..... | Long Beach | 29.5 | 0.20 |
| 100.00% Edgington Oil Co. | | | |
| Edginton Oxnard Asphalt Co..... | Oxnard | 2.5 | 0.02 |
| 100.00% Edginton Oxnard Asphalt Co. | | | |
| Exxon Corp..... | Benicia | 88.0 | 0.59 |
| 100.00% Exxon Corp. | | | |
| Fletcher Oil and Refining Co..... | Carson | 19.2 | 0.13 |
| 100.00% Fletcher Oil and Refining Co. | | | |
| Golden Bear Oil Co..... | Oildale | 11.0 | 0.07 |
| 100.00% Witco Chemical Corp. | | | |
| Golden Eagle Refining Co..... | Carson | 13.0 | 0.09 |
| 100.00% Ultramar Co., Ltd. | | | |
| Gulf Oil Corp..... | Hercules | 27.0 | 0.18 |
| 100.00% Gulf Oil Corp. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|------------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| California (Continued) | | | |
| Gulf Oil Corp..... | Santa Fe Springs | 51.5 | 0.34 |
| 100.00% Gulf Oil Corp. | | | |
| Kern County Refinery Inc..... | Bakersfield | 15.9 | 0.11 |
| 40.00% Charter Oil Co. | | | |
| 60.00% Kern County Refinery Inc. | | | |
| Lunday-Thagard Oil Co..... | South Gate | 5.4 | 0.04 |
| 100.00% Lunday-Thagard Oil Co. | | | |
| McMillan Ring-Free Oil Co..... | Signal Hill | 12.2 | 0.08 |
| 100.00% McMillan Ring-Free Oil Co. | | | |
| Mobil Oil Corp..... | Torrance | 123.5 | 0.82 |
| 100.00% Mobil Oil Corp. | | | |
| Mohawk Petroleum Corp..... | Bakersfield | 22.1 | 0.15 |
| 100.00% Reserve Oil and Gas Co. | | | |
| Newhall Refining Co. Inc..... | Newhall | 11.5 | 0.08 |
| 100.00% Pauley Petroleum Co. | | | |
| Phillips Petroleum Co..... | Avon | 110.0 | 0.73 |
| 100.00% Phillips Petroleum Co. | | | |
| Pioneer Oil Co..... | Santa Fe Springs | 46.0 | 0.31 |
| 100.00% Powerine Oil Co. | | | |
| Road Oil Sales Inc..... | Bakersfield | 1.5 | 0.01 |
| 100.00% Road Oil Sales Inc. | | | |
| Sabre Refining Inc..... | Bakersfield | 3.5 | 0.02 |
| 100.00% Sabre Refining Inc. | | | |
| San Joaquin Refining Co..... | Oildale | 29.3 | 0.20 |
| 100.00% San Joaquin Refining Co. | | | |
| Shell Oil Co..... | Martinez | 100.0 | 0.67 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Shell Oil Co..... | Wilmington | 96.0 | 0.64 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Standard Oil Co. of California..... | Bakersfield | 26.0 | 0.17 |
| 100.00% Standard Oil Co. of California | | | |
| Standard Oil Co. of California..... | El Segundo | 230.0 | 1.54 |
| 100.00% Standard Oil Co. of California | | | |
| Standard Oil Co. of California..... | Richmond | 190.0 | 1.27 |
| 100.00% Standard Oil Co. of California | | | |
| Sunland Refining Corp..... | Bakersfield | 15.0 | 0.10 |
| 100.00% Sunland Refining Corp. | | | |
| Tenneco Oil Co..... | Bakersfield | 1.2 | 0.01 |
| 100.00% Tenneco Inc. | | | |
| Texaco Inc..... | Wilmington | 75.0 | 0.50 |
| 100.00% Texaco Inc. | | | |
| Tosco Petro Corp..... | Bakersfield | 40.0 | 0.26 |
| 100.00% The Oil Shale Co. | | | |
| Union Oil Co. of California..... | Los Angeles | 108.0 | 0.72 |
| 100.00% Union Oil Co. of California | | | |
| Union Oil Co. of California..... | San Francisco | 110.0 | 0.73 |
| 100.00% Union Oil Co. of California | | | |
| West Coast Oil Co..... | Bakersfield | 15.0 | 0.10 |
| 100.00% West Coast Oil Co. | | | |
| Colorado..... | Commerce City | 60.0 | 0.40 |
| Continental Oil Co..... | | | |
| 100.00% Continental Oil Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|----------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Colorado (Continued) | | | |
| Gary Western Co..... | Grand Junction | 9.5 | 0.06 |
| 100.00% Gary Western Co. | | | |
| The Refinery Corp..... | Commerce City | 20.5 | 0.14 |
| 100.00% The Refinery Corp. | | | |
| Delaware..... | | 140.0 | 0.93 |
| Getty Oil Co..... | Delaware City | 140.0 | 0.93 |
| 100.00% Getty Oil Co. | | | |
| Florida..... | | 5.7 | 0.04 |
| Seminole Asphalt Refining Inc..... | St. Marks | 5.7 | 0.04 |
| 100.00% Seminole Asphalt Refining Inc. | | | |
| Georgia..... | | 18.0 | 0.12 |
| Amoco Oil Co..... | Savannah | 13.0 | 0.09 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Young Refining Corp..... | Douglasville | 5.0 | 0.03 |
| 100.00% Young Refining Corp. | | | |
| Hawaii..... | | 85.0 | 0.56 |
| Hawaiian Independent Refinery Inc..... | Barbers Point | 45.0 | 0.30 |
| 52.00% Pacific Resources Inc. | | | |
| 48.00% Hawaiian Independent Refinery Inc. | | | |
| Standard Oil Co. of California..... | Barbers Point | 40.0 | 0.26 |
| 100.00% Standard Oil Co. of California | | | |
| Illinois..... | | 1,173.5 | 7.83 |
| Amoco Oil Co..... | Wood River | 105.0 | 0.70 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Clark Oil and Refining Corp..... | Blue Island | 69.0 | 0.46 |
| 100.00% Clark Oil and Refining Corp. | | | |
| Clark Oil and Refining Corp..... | Hartford | 38.0 | 0.25 |
| 100.00% Clark Oil and Refining Corp. | | | |
| Marathon Oil Co..... | Robinson | 195.0 | 1.30 |
| 100.00% Marathon Oil Co. | | | |
| Mobil Oil Corp..... | Joliet | 175.0 | 1.17 |
| 100.00% Mobil Oil Corp. | | | |
| Shell Oil Co..... | Wood River | 283.0 | 1.89 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Texaco Inc..... | Lawrenceville | 84.0 | 0.56 |
| 100.00% Texaco Inc. | | | |
| Texaco Inc..... | Lockport | 72.0 | 0.48 |
| 100.00% Texaco Inc. | | | |
| Union Oil Co. of California..... | Lemont | 150.0 | 1.00 |
| 100.00% Union Oil Co. of California | | | |
| Wireback Oil Co..... | Plymouth | 1.5 | 0.01 |
| 100.00% Wireback Oil Co. | | | |
| Yetter Oil Co..... | Colmar | 1.0 | 0.01 |
| 100.00% Yetter Oil Co. | | | |
| Indiana..... | | 564.8 | 3.77 |
| Amoco Oil Co..... | Whiting | 360.0 | 2.40 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Atlantic Richfield Co..... | East Chicago | 126.0 | 0.84 |
| 100.00% Atlantic Richfield Co. | | | |
| Crystal Princeton Refining Co..... | Princeton | 4.3 | 0.02 |
| 100.00% Crystal Princeton Refining Co. | | | |
| Gladieux Refinery Inc..... | Fort Wayne | 8.5 | 0.06 |
| 100.00% Gladieux Refinery Inc. | | | |

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Indiana (Continued) | | | |
| Indiana Farm Bureau Coop. Assoc..... | Mt. Vernon | 18.0 | 0.12 |
| 100.00% Indiana Farm Bureau Coop. Assoc. | | | |
| Laketon Asphalt Refining Inc..... | Laketon | 8.5 | 0.06 |
| 100.00% Laketon Asphalt Refining Inc. | | | |
| Pioneer Division..... | Hammond | 10.0 | 0.07 |
| 100.00% Witco Chemical Co. | | | |
| Rock Island Refining Corp..... | Indianapolis | 29.5 | 0.20 |
| 100.00% Rock Island Refining Corp. | | | |
| Kansas..... | | 447.2 | 2.98 |
| American Petrofina Inc..... | El Dorado | 25.0 | 0.17 |
| 70.00% Petrofina S.A. | | | |
| 30.00% American Petrofina Inc. | | | |
| Apeco Oil Corp..... | Arkansas City | 46.2 | 0.31 |
| 100.00% Apeco Oil Corp. | | | |
| C.R.A. Inc..... | Coffeyville | 48.0 | 0.32 |
| 100.00% Cooperative Refinery Assoc. | | | |
| C.R.A. Inc..... | Phillipsburg | 20.5 | 0.13 |
| 100.00% Cooperative Refinery Assoc. | | | |
| Derby Refining Co..... | Wichita | 26.5 | 0.18 |
| 100.00% Colorado Oil and Gas Corp. | | | |
| Mid-America Refinery Co..... | Chanute | 3.1 | 0.02 |
| 100.00% Mid-America Refinery Co. | | | |
| Mobil Oil Corp..... | Augusta | 50.0 | 0.33 |
| 100.00% Mobil Oil Corp. | | | |
| National Cooperative Refinery Assoc..... | McPherson | 54.2 | 0.36 |
| 100.00% National Cooperative Refinery Assoc. | | | |
| North American Petroleum Corp..... | Shallow Water | 10.0 | 0.07 |
| 100.00% North American Petroleum Corp. | | | |
| Phillips Petroleum Co..... | Kansas City | 85.0 | 0.57 |
| 100.00% Phillips Petroleum Co. | | | |
| Skelly Oil Co..... | El Dorado | 78.7 | 0.52 |
| 72.5% Getty Oil Co. | | | |
| 27.5% Skelly Oil Co. | | | |
| Kentucky..... | | 164.0 | 1.09 |
| Ashland Petroleum Co..... | Catlettsburg | 135.8 | 0.90 |
| 100.00% Ashland Oil Inc. | | | |
| Louisville Refining..... | Louisville | 25.2 | 0.17 |
| 100.00% Ashland Oil Inc. | | | |
| Somerset Refinery Inc..... | Somerset | 3.0 | 0.02 |
| 100.00% Somerset Refinery Inc. | | | |
| Louisiana..... | | 1,745.0 | 11.64 |
| Atlas Processing Co..... | Shreve Port | 45.0 | 0.30 |
| 100.00% Pennzoil United Inc. | | | |
| Bayou State Oil Corp..... | Hosston | 3.5 | 0.02 |
| 100.00% Bayou State Oil Corp. | | | |
| Calumet Refining Co..... | Princeton | 2.4 | 0.02 |
| 100.00% Calumet Industries Inc. | | | |
| Canal Refining Co..... | Church Point | 3.5 | 0.02 |
| 100.00% Canal Refining Co. | | | |
| Cities Service Oil Co..... | Lake Charles | 268.0 | 1.79 |
| 100.00% Cities Service Co. | | | |
| Claiborne Gasoline Co..... | Lisbon | 6.8 | 0.05 |
| 100.00% Claiborne Gasoline Co. | | | |
| Continental Oil Co..... | Lake Charles | 83.0 | 0.55 |
| 100.00% Continental Oil Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Louisiana (Continued) | | | |
| Evangeline Refining Co. Inc..... | Jennings | 4.0 | 0.03 |
| 100.00% Evangeline Refining Co. Inc. | | | |
| Exxon Co..... | Baton Rouge | 455.0 | 3.04 |
| 100.00% Exxon Corp. | | | |
| Good Hope Refineries Inc..... | Good Hope | 29.5 | 0.20 |
| 100.00% Gastown Inc. | | | |
| Gulf Oil Co..... | Alliance | 180.4 | 1.20 |
| 100.00% Gulf Oil Corp. | | | |
| Gulf Oil Co..... | Venice | 28.7 | 0.19 |
| 100.00% Gulf Oil Corp. | | | |
| Kerr-McGee Corp..... | Cotton Valley | 10.7 | 0.07 |
| 100.00% Kerr-McGee Corp. | | | |
| La Jet Inc..... | St. James | 11.0 | 0.07 |
| 100.00% La Jet Inc. | | | |
| Murphy Oil Corp..... | Meraux | 92.5 | 0.62 |
| 100.00% Murphy Oil Corp. | | | |
| Shell Oil Co..... | Noro | 240.0 | 1.60 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Tenneco Oil Co..... | Chalmette | 105.0 | 0.70 |
| 100.00% Tenneco Inc. | | | |
| Texaco Inc..... | Convent | 140.0 | 0.93 |
| 100.00% Texaco Inc. | | | |
| Toro Petroleum Corp..... | Port Allen | 36.0 | 0.24 |
| 100.00% Toro Petroleum Corp. | | | |
| Maryland..... | | 26.5 | 0.18 |
| Amoco Oil Co..... | Baltimore | 13.0 | 0.09 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Chevron Asphalt Co..... | Baltimore | 13.5 | 0.09 |
| 100.00% Standard Oil Co. of California | | | |
| Michigan..... | | 160.2 | 1.07 |
| Bay Refining Co..... | Bay City | 32.0 | 0.22 |
| 100.00% Dow Chemical Co. | | | |
| Crystal Refining Co..... | Carson City | 6.2 | 0.04 |
| 100.00% Crystal Refining Co. | | | |
| Lakeside Refining Co..... | Kalamazoo | 5.3 | 0.04 |
| 100.00% Lakeside Refining Co. | | | |
| Marathon Oil Co..... | Detroit | 65.0 | 0.43 |
| 100.00% Marathon Oil Co. | | | |
| Osceola Refining Co..... | West Branch | 9.5 | 0.06 |
| 100.00% United Refining Co. | | | |
| Total Leonard Inc..... | Alma | 42.2 | 0.28 |
| 100.00% Cie. Francaise Des Petroles | | | |
| Minnesota..... | | 199.3 | 1.33 |
| Continental Oil Co..... | Wrenshall | 23.5 | 0.16 |
| 100.00% Continental Oil Co. | | | |
| Koch Refining Co..... | Pine Bend | 109.8 | 0.73 |
| 100.00% Koch Industries Inc. | | | |
| Northwestern Refining Co..... | St. Paul Park | 66.0 | 0.44 |
| 100.00% Ashland Oil Inc. | | | |
| Mississippi..... | | 329.5 | 2.20 |
| Amerada Hess Corp..... | Purvis | 28.5 | 0.19 |
| 100.00% Amerada Hess Corp. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|--------------|---|------------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Mississippi (Continued) | | | |
| Southland Oil Co..... | Lumberton | 5.8 | 0.04 |
| 100.00% Vermont Gas Systems Inc. | | | |
| Southland Oil Co..... | Sandersville | 11.0 | 0.07 |
| 100.00% Vermont Gas Systems Inc. | | | |
| Southland Oil Co..... | Yazoo City | 4.2 | 0.03 |
| 100.00% Vermont Gas Systems Inc. | | | |
| Standard Oil Co. of Kentucky..... | Pascagoula | 280.0 | 1.87 |
| 100.00% Standard Oil Co. of California | | | |
| Missouri..... | | 107.0 | 0.71 |
| Amoco Oil Co..... | Sugar Creek | 107.0 | 0.71 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Montana..... | | 157.3 | 1.05 |
| Big West Oil Co..... | Kevin | 5.1 | 0.03 |
| 100.00% Big West Oil Co. | | | |
| Cenex..... | Laurel | 41.2 | 0.28 |
| 100.00% Cenex | | | |
| Continental Oil Co..... | Billings | 52.5 | 0.35 |
| 100.00% Continental Oil Co. | | | |
| Exxon Co..... | Billings | 45.0 | 0.30 |
| 100.00% Exxon Corp. | | | |
| Phillips Petroleum Co..... | Great Falls | 6.0 | 0.04 |
| 100.00% Phillips Petroleum Co. | | | |
| Tesoro Petroleum Corp..... | Wolf Point | 2.5 | 0.02 |
| 100.00% Tesoro Petroleum Corp. | | | |
| Westco Refining Co..... | Cut Bank | 5.0 | 0.03 |
| 100.00% Warrior Oil Co. | | | |
| Nebraska..... | | 5.0 | 0.03 |
| CRA Inc..... | Scottsbluff | 5.0 | 0.03 |
| 100.00% Cooperative Refinery Assoc. | | | |
| New Jersey..... | | 549.0 | 3.66 |
| Chevron Oil Co..... | Perth Amboy | 88.0 | 0.59 |
| 100.00% Standard Oil Co. of California | | | |
| Exxon Co..... | Linden | 275.0 | 1.83 |
| 100.00% Exxon Corp. | | | |
| Mobil Oil Corp..... | Paulsboro | 98.0 | 0.65 |
| 100.00% Mobil Oil Corp. | | | |
| Texaco Inc..... | Westville | 88.0 | 0.59 |
| 100.00% Texaco Inc. | | | |
| New Mexico..... | | 103.1 | 0.69 |
| Caribou Four Corners Inc..... | Kirtland | 2.0 | 0.01 |
| 100.00% Caribou Four Corners Inc. | | | |
| Famariss Oil and Refining Co..... | Lovington | 37.0 | 0.25 |
| 100.00% Famariss Oil and Refining Co. | | | |
| Famariss Oil and Refining Co..... | Monument | 5.0 | 0.03 |
| 100.00% Famariss Oil and Refining Co. | | | |
| Navajo Refining Co..... | Artesia | 30.0 | 0.20 |
| 100.00% Navajo Refining Co. | | | |
| Plateau Inc..... | Bloomfield | 7.5 | 0.05 |
| 100.00% Plateau Inc. | | | |
| Shell Oil Co..... | Ciniza | 20.0 | 0.14 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Thriftway Co..... | Bloomfield | 1.6 | 0.01 |
| 100.00% Thriftway Inc. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| New York..... | | 111.4 | 0.74 |
| Ashland Petroleum Co..... | Tonawanda | 68.4 | 0.45 |
| 100.00% Ashland Oil Inc. | | | |
| Mobil Oil Corp..... | Buffalo | 43.0 | 0.29 |
| 100.00% Mobil Oil Corp. | | | |
| North Dakota..... | | 59.0 | 0.39 |
| Amoco Oil Co..... | Mandan | 49.0 | 0.33 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Northland Oil and Refining Co..... | Diekinston | 5.0 | 0.03 |
| 100.00% Northland Oil and Refining Co. | | | |
| Westland Oil Co..... | Williston | 5.0 | 0.03 |
| 100.00% Westland Oil Co. | | | |
| Ohio..... | | 589.8 | 3.93 |
| Ashland Petroleum Co..... | Canton | 64.0 | 0.43 |
| 100.00% Ashland Oil Inc. | | | |
| Ashland Petroleum Co..... | Findlay | 20.4 | 0.14 |
| 100.00% Ashland Oil Inc. | | | |
| Gulf Oil Co..... | Clives | 42.1 | 0.28 |
| 100.00% Gulf Oil Corp. | | | |
| Gulf Oil Co..... | Toledo | 50.3 | 0.33 |
| 100.00% Gulf Oil Corp. | | | |
| Standard Oil Co. of Ohio..... | Lima | 168.0 | 1.12 |
| 25.00% British Petroleum Co. | | | |
| 75.00% Standard Oil Co. of Ohio | | | |
| Standard Oil Co. of Ohio..... | Toledo | 120.0 | 0.80 |
| 25.00% British Petroleum Co. | | | |
| 75.00% Standard Oil Co. of Ohio | | | |
| Sun Oil Co..... | Toledo | 125.0 | 0.83 |
| 100.00% Sun Oil Co. | | | |
| Oklahoma..... | | 516.8 | 3.45 |
| Allied Materials Corp..... | Stroud | 5.5 | 0.04 |
| 100.00% Allied Materials Corp. | | | |
| Apco Oil Corp..... | Cyril | 12.5 | 0.08 |
| 100.00% Apco Oil Corp. | | | |
| Champlin Petroleum Co..... | Enid | 53.8 | 0.36 |
| 100.00% Union Pacific Corp. | | | |
| Continental Oil Corp..... | Ponea City | 128.5 | 0.86 |
| 100.00% Continental Oil Co. | | | |
| Kerr-McGee Corp..... | Wynnewood | 47.0 | 0.31 |
| 100.00% Kerr-McGee Corp. | | | |
| Midlands Cooperatives Inc..... | Cushing | 19.0 | 0.13 |
| 100.00% Midlands Cooperatives Inc. | | | |
| OKC Refining Inc..... | Okmulgee | 25.0 | 0.17 |
| 100.00% Oklahoma Cement Co. | | | |
| Sun Oil Co..... | Duncan | 48.5 | 0.32 |
| 100.00% Sun Oil Co. | | | |
| Sun Oil Co..... | Tulsa | 88.5 | 0.59 |
| 100.00% Sun Oil Co. | | | |
| Texaco Inc..... | West Tulsa | 50.0 | 0.33 |
| 100.00% Texaco Inc. | | | |
| Tonkawa Refining Co..... | Arnett | 6.0 | 0.04 |
| 100.00% Tonkawa Refining Co. | | | |
| Vickers Petroleum Corp..... | Ardmore | 32.5 | 0.22 |
| 100.00% Vickers Petroleum Corp. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total | |
|--|-----------------|---|------------------------|------|
| North America (Continued) | | | | |
| United States (Continued) | | | | |
| Oregon..... | | 14.0 | 0.09 | |
| Standard Oil Co. of California..... | Portland | 14.0 | 0.09 | |
| 100.00% Standard Oil Co. of California | | | | |
| Pennsylvania..... | | 757.0 | 5.05 | |
| Atlantic Richfield Co..... | Philadelphia | 185.0 | 1.24 | |
| 100.00% Atlantic Richfield Co. | | | | |
| BP Oil Corp..... | Marcus Hook | 143.0 | 0.95 | |
| 25.00% British Petroleum Co. | | | | |
| 75.00% Standard Oil Co. of Ohio | | | | |
| Gulf Oil Co..... | Philadelphia | 174.3 | 1.16 | |
| 100.00% Gulf Oil Corp. | | | | |
| Kendall Amalie Division..... | Bradford | 9.0 | 0.06 | |
| 100.00% Witco Chemical Co. | | | | |
| Pennzoil Co..... | Rouseville | 10.0 | 0.07 | |
| 100.00% Pennzoil United Inc. | | | | |
| Quaker State Oil Refining Corp..... | Emlenton | 3.3 | 0.02 | |
| 100.00% Quaker State Oil Refining Corp. | | | | |
| Quaker State Oil Refining Corp..... | Farmers Valley | 6.5 | 0.04 | |
| 100.00% Quaker State Oil Refining Corp. | | | | |
| Sun Oil Co..... | Marcus Hook | 165.0 | 1.10 | |
| 100.00% Sun Oil Co. | | | | |
| United Refining Co..... | Warren | 52.0 | 0.35 | |
| 100.00% United Refining Co. | | | | |
| Valvoline Oil Co..... | Freedom | 6.8 | 0.05 | |
| 100.00% Ashland Oil Inc. | | | | |
| Wolf's Head Oil Refining..... | Reno | 2.1 | 0.01 | |
| 100.00% Pennzoil United Inc. | | | | |
| Rhode Island..... | | 7.5 | 0.05 | |
| Mobil Oil Corp..... | East Providence | 7.5 | 0.05 | |
| 100.00% Mobil Oil Corp. | | | | |
| Tennessee..... | | 43.9 | 0.29 | |
| Delta Refining Co..... | Memphis | 43.9 | 0.29 | |
| 100.00% Earth Resources Inc. | | | | |
| Texas..... | | 3,962.7 | 26.43 | |
| Adobe Refining Co..... | La Blanca | 5.0 | 0.03 | |
| 100.00% Crystal Oil Co. | | | | |
| American Petrofina Inc..... | Mt. Pleasant | 26.0 | 0.17 | |
| 30.00% American Petrofina Inc. | | | | |
| 70.00% Petrofina S.A. | | | | |
| American Petrofina Inc..... | Port Arthur | 84.0 | 0.56 | |
| 30.00% American Petrofina Inc. | | | | |
| 70.00% Petrofina S.A. | | | | |
| Amoco Oil Co..... | Texas City | 333.0 | 2.22 | |
| 100.00% Standard Oil Co. of Indiana | | | | |
| Atlantic Richfield Co..... | Houston | / | 213.0 | 1.42 |
| 100.00% Atlantic Richfield Co. | | | | |
| Champlin Petroleum Co..... | Corpus Christi | 67.7 | 0.45 | |
| 100.00% Union Pacific Corp. | | | | |
| Charter International Oil Co..... | Houston | 70.0 | 0.47 | |
| 100.00% Charter Oil Co. | | | | |
| Chevron Oil Co..... | El Paso | 71.0 | 0.47 | |
| 100.00% Standard Oil Co. of California | | | | |
| Coastal States Petrochemical Co..... | Corpus Christi | 170.0 | 1.13 | |
| 100.00% Coastal States Petrochemical Co. | | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|----------------|--|------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Texas (Continued) | | | |
| Cosden Oil and Chemical Co..... | Big Spring | 65.0 | 0.43 |
| 30.00% American Petrofina | | | |
| 70.00% Petrofina S.A. | | | |
| Crown Central Petroleum Corp..... | Houston | 100.0 | 0.67 |
| 49.00% American Trading and Prod. Corp. | | | |
| 51.00% Crown Central Petroleum Corp. | | | |
| Diamond Shamrock Oil and Gas Co..... | Sunray | 48.3 | 0.32 |
| 100.00% Diamond Shamrock Corp. | | | |
| Dorehester Gas Producing Co..... | White Deer | 1.0 | 0.01 |
| 100.00% Dorchester Gas Prod. Co. | | | |
| Eddy Refining Co..... | Houston | 3.3 | 0.02 |
| 100.00% Eddy Refining Co. | | | |
| Exxon Co..... | Baytown | 400.0 | 2.67 |
| 100.00% Exxon Corp. | | | |
| Flint Chemical Co..... | San Antonio | 1.2 | 0.01 |
| 100.00% Flint Chemical Co. | | | |
| Gulf Oil Co..... | Port Arthur | 312.0 | 2.08 |
| 100.00% Gulf Oil Corp. | | | |
| Gulf States Oil and Refining Co..... | Quitman | 4.4 | 0.03 |
| 100.00% Gulf States Oil and Refining Co. | | | |
| Howell Hydrocarbons Inc..... | San Antonio | 3.6 | 0.03 |
| 100.00% Howell Hydrocarbons Inc. | | | |
| J and W Refining Inc..... | Tucker | 9.7 | 0.07 |
| 100.00% J and W Refining Inc. | | | |
| La Gloria Oil and Gas Co..... | Tyler | 28.5 | 0.19 |
| 100.00% Texas Eastern Transmission Corp. | | | |
| Longview Refining Co..... | Longview | 7.5 | 0.05 |
| 100.00% Crystal Oil Co. | | | |
| Marathon Oil Co..... | Texas City | 64.0 | 0.43 |
| 100.00% Marathon Oil Co. | | | |
| Mid-Tex Refinery..... | Hearne | 2.6 | 0.02 |
| 100.00% Mid-Tex Refinery | | | |
| Mobil Oil Corp..... | Beaumont | 325.0 | 2.17 |
| 100.00% Mobil Oil Corp. | | | |
| Phillips Petroleum Co..... | Borger | 99.0 | 0.66 |
| 100.00% Phillips Petroleum Co. | | | |
| Phillips Petroleum Co..... | Sweeny | 85.0 | 0.57 |
| 100.00% Phillips Petroleum Co. | | | |
| Pride Refining Inc..... | Abilene | 36.5 | 0.24 |
| 100.00% Pride Refining Inc. | | | |
| Quintana-Howell Joint Venture..... | Corpus Christi | 44.4 | 0.30 |
| 100.00% Quintana-Howell Joint Venture | | | |
| Shell Oil Co..... | Deer Park | 294.0 | 1.96 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Shell Oil Co..... | Odessa | 32.0 | 0.21 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| South Hampton Co..... | Silsbee | 30.1 | 0.20 |
| 100.00% South Hampton Co. | | | |
| Southwestern Refining Co..... | Corpus Christi | 114.0 | 0.76 |
| 100.00% Southwestern Refining Co. | | | |
| Suntide Refining Co..... | Corpus Christi | 57.0 | 0.38 |
| 100.00% Sun Oil Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|-----------------|---|------------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| Texas (Continued) | | | |
| Tesoro Petroleum Corp..... | Carrizo Springs | 25.0 | 0.17 |
| 100.00% Tesoro Petroleum Corp. | | | |
| Texaco Inc..... | Amarillo | 20.0 | 0.13 |
| 100.00% Texaco Inc. | | | |
| Texaco Inc..... | El Paso | 17.0 | 0.11 |
| 100.00% Texaco Inc. | | | |
| Texaco Inc..... | Port Arthur | 406.0 | 2.71 |
| 100.00% Texaco Inc. | | | |
| Texaco Inc..... | Port Neches | 47.0 | 0.31 |
| 100.00% Texaco Inc. | | | |
| Texas Asphalt and Refining Co..... | Euless | 6.0 | 0.04 |
| 100.00% Texas Asphalt and Refining Co. | | | |
| Texas City Refining Inc..... | Texas City | 76.5 | 0.51 |
| 100.00% Texas City Refining Inc. | | | |
| Texas Fuel and Asphalt Co..... | La Coste | 1.0 | 0.01 |
| 100.00% Texas Fuel and Asphalt Co. | | | |
| Union Oil Co. of California..... | Nederland | 127.0 | 0.85 |
| 100.00% Union Oil Co. of California | | | |
| Union Texas Petroleum..... | Winnie | 9.4 | 0.06 |
| 100.00% Allied Chemical Corp. | | | |
| Winston Refining Co..... | Fort Worth | 20.0 | 0.13 |
| 100.00% Winston Refining Co. | | | |
| Utah..... | | 143.0 | 0.95 |
| Amoco Oil Co..... | Salt Lake City | 39.0 | 0.26 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Caribou Four Corners Inc..... | Woods Cross | 5.0 | 0.03 |
| 100.00% Caribou Four Corners Inc. | | | |
| Chevron Oil Co..... | Salt Lake City | 45.0 | 0.30 |
| 100.00% Standard Oil Co. of California | | | |
| Husky Oil Co..... | North Salt Lake | 23.0 | 0.15 |
| 100.00% Husky Oil Ltd. | | | |
| Major Oil Corp..... | Roosevelt | 8.0 | 0.05 |
| 100.00% Major Oil Corp. | | | |
| Phillips Petroleum Co..... | Woods Cross | 23.0 | 0.16 |
| 100.00% Phillips Petroleum Co. | | | |
| Virginia..... | | 53.0 | 0.35 |
| Amoco Oil Co..... | Yorktown | 53.0 | 0.35 |
| 100.00% Standard Oil Co. of Indiana | | | |
| Washington..... | | 364.0 | 2.43 |
| Atlantic Richfield Co..... | Cherry Point | 96.0 | 0.64 |
| 100.00% Atlantic Richfield Co. | | | |
| Mobil Oil Corp..... | Ferndale | 71.5 | 0.48 |
| 100.00% Mobil Oil Corp. | | | |
| Shell Oil Co..... | Anacortes | 91.0 | 0.61 |
| 69.00% Royal Dutch/Shell | | | |
| 31.00% Shell Oil Co. | | | |
| Sound Refining Inc..... | Tacoma | 4.5 | 0.03 |
| 100.00% Kewance Oil Co. | | | |
| Standard Oil Co. of California..... | Richmond Beach | 4.5 | 0.03 |
| 100.00% Standard Oil Co. of California | | | |
| Texaco Inc..... | Anacortes | 78.0 | 0.52 |
| 100.00% Texaco Inc. | | | |
| U.S. Oil and Refining Co..... | Tacoma | 18.5 | 0.12 |
| 100.00% U.S. Oil and Refining Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|--------------|---|---------------------|
| North America (Continued) | | | |
| United States (Continued) | | | |
| West Virginia..... | | 19.9 | 0.13 |
| Elk Refining..... | Falling Rock | 5.2 | 0.03 |
| 100.00% Pennzoil United Inc. | | | |
| Quaker State Oil Refining Corp..... | Newell | 9.7 | 0.07 |
| 100.00% Quaker State Oil Refining Corp. | | | |
| Quaker State Oil Refining Corp..... | St. Mary's | 5.0 | 0.03 |
| 100.00% Quaker State Oil Refining Corp. | | | |
| Wisconsin..... | | 45.0 | 0.30 |
| Murphy Oil Corp..... | Superior | 45.0 | 0.30 |
| 100.00% Murphy Oil Corp. | | | |
| Wyoming..... | | 187.0 | 1.25 |
| Amoco Oil Co..... | Casper | 43.0 | 0.29 |
| 100.00% Standard Oil Co. of Indiana | | | |
| C & II Refinery Inc..... | Lusk | 0.5 | .... |
| 100.00% C & H Refinery Inc. | | | |
| Husky Oil Co..... | Cheyenne | 23.6 | 0.16 |
| 100.00% Husky Oil Ltd. | | | |
| Husky Oil Co..... | Cody | 10.7 | 0.07 |
| 100.00% Husky Oil Ltd. | | | |
| Little America Refining Co..... | Casper | 24.3 | 0.16 |
| 100.00% Little America Stations Inc. | | | |
| Mountaineer Refining Co. Inc..... | La Barge | 0.3 | .... |
| 100.00% Mountaineer Refining Co. Inc. | | | |
| Pasco Inc..... | Sinclair | 48.6 | 0.33 |
| 100.00% Pasco Inc. | | | |
| Sage Creek Refining Co..... | Cowley | 1.2 | 0.01 |
| 100.00% Sage Creek Refining Co. | | | |
| Southwestern Refining Co..... | La Barge | 0.3 | .... |
| 100.00% Southwestern Refining Co. | | | |
| Tesoro Petroleum Corp..... | Newcastle | 10.5 | 0.07 |
| 100.00% Tesoro Petroleum Corp. | | | |
| Texaco Inc..... | Casper | 21.0 | 0.14 |
| 100.00% Texaco Inc. | | | |
| V-1 Oil Co..... | Glenrock | 3.0 | 0.02 |
| 100.00% V-1 Oil Co. | | | |
| Canada..... | | 2,111.9 | 100.00 |
| BP Refinery Canada, Ltd..... | Oakville | 71.0 | 3.36 |
| 34.00% BP Refinery Canada, Ltd. | | | |
| 66.00% British Petroleum Co. | | | |
| BP Refinery Canada, Ltd..... | Montreal | 71.0 | 3.36 |
| 34.00% BP Refinery Canada, Ltd. | | | |
| 66.00% British Petroleum Co. | | | |
| Chevron Canada..... | Burnaby | 22.0 | 1.04 |
| 100.00% Standard Oil Co. of California | | | |
| Consumers Co-operative Refining Inc..... | Regina | 25.0 | 1.18 |
| 100.00% Consumers Co-operative Refining Inc. | | | |
| Golden Eagle Canada, Ltd..... | Holyrood | 12.0 | 0.57 |
| 100.00% Ultramar Co., Ltd. | | | |
| Golden Eagle Canada, Ltd..... | St. Romuald | 103.0 | 4.88 |
| 100.00% Ultramar Co., Ltd. | | | |
| Gulf Oil Canada, Ltd..... | Calgary | 8.7 | 0.41 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Clarkson | 62.4 | 2.95 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---------------------------------------|----------------|---|---------------------|
| North America (Continued) | | | |
| Canada (Continued) | | | |
| Gulf Oil Canada, Ltd..... | Edmonton | 74.6 | 3.53 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Kamloops | 7.7 | 0.36 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Montreal | 77.3 | 3.66 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Moose Jaw | 9.3 | 0.44 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Port Moody | 37.2 | 1.76 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Gulf Oil Canada, Ltd..... | Point Tupper | 81.0 | 3.84 |
| 31.41% Gulf Oil Canada, Ltd. | | | |
| 68.59% Gulf Oil Corp. | | | |
| Husky Oil, Ltd..... | Lloydminster | 11.2 | 0.53 |
| 100.00% Husky Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Dartmouth | 82.8 | 3.92 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Edmonton | 140.0 | 6.63 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Ioco | 36.8 | 1.74 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Montreal | 105.8 | 5.01 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Norman Wells | 2.9 | 0.14 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Regina | 32.2 | 1.52 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Sarnia | 130.3 | 6.17 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Imperial Oil, Ltd..... | Winnipeg | 22.0 | 1.04 |
| 70.00% Exxon Corp. | | | |
| 30.00% Imperial Oil, Ltd. | | | |
| Irving Refining, Ltd..... | St. John | 130.0 | 6.16 |
| 50.00% Irving Oil, Ltd. | | | |
| 50.00% Standard Oil Co. of California | | | |
| Newfoundland Refining Co., Ltd..... | Come by Chance | 100.0 | 4.73 |
| 100.00% Shaheen Natural Resources Co. | | | |
| Pacific Petroleum, Ltd..... | Taylor | 11.0 | 0.52 |
| 52.00% Pacific Petroleum, Ltd. | | | |
| 48.00% Phillips Petroleum Corp. | | | |
| Petrofina Canada, Ltd..... | Montreal | 93.0 | 4.40 |
| 34.00% Petrofina Canada, Ltd. | | | |
| 66.00% Petrofina S.A. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|------------------------------------|--------------------|--|------------------|
| North America (Continued) | | | |
| Canada (Continued) | | | |
| Regent Refining (Canada), Ltd..... | Port Credit | 48.0 | 2.27 |
| 100.00% Texaco Inc. | | | |
| Shell Canada, Ltd..... | Bowden | 5.0 | 0.24 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Shell Canada, Ltd..... | Montreal | 125.0 | 5.92 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Shell Canada, Ltd..... | Oakville | 44.0 | 2.08 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Shell Canada, Ltd..... | Sarnia | 80.0 | 3.79 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Shell Canada, Ltd..... | Shellburn | 22.0 | 1.04 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Shell Canada, Ltd..... | St. Boniface | 28.0 | 1.33 |
| 87.00% Royal Dutch/Shell | | | |
| 13.00% Shell Canada, Ltd. | | | |
| Sun Oil Co., Ltd..... | Sarnia | 80.0 | 3.79 |
| 100.00% Sun Oil Co. | | | |
| Texaco Canada, Ltd..... | Edmonton | 21.0 | 0.99 |
| 32.00% Texaco Canada, Ltd. | | | |
| 68.00% Texaco Inc. | | | |
| Texaco Canada, Ltd..... | Halifax | 18.0 | 0.85 |
| 32.00% Texaco Canada, Ltd. | | | |
| 68.00% Texaco Inc. | | | |
| Texaco Canada, Ltd..... | Montreal | 73.0 | 3.46 |
| 32.00% Texaco Canada, Ltd. | | | |
| 68.00% Texaco Inc. | | | |
| Union Oil Co. of Canada..... | Prince George | 7.7 | 0.39 |
| 87.00% Union Oil Co. of California | | | |
| 13.00% Union Oil Co. of Canada | | | |
| Mexico..... | | 760.0 | ... |
| Petroleos Mexicanos..... | Azcapotzalco | 100.0 | ... |
| 100.00% Mexican Govt. | | | |
| Petroleos Mexicanos..... | Cuidad Madero | 169.0 | ... |
| 100.00% Mexican Govt. | | | |
| Petroleos Mexicanos..... | Minatitlan | 233.5 | ... |
| 100.00% Mexican Govt. | | | |
| Petroleos Mexicanos..... | Poza Rica | 27.0 | ... |
| 100.00% Mexican Govt. | | | |
| Petroleos Mexicanos..... | Reynosa | 20.5 | ... |
| 100.00% Mexican Govt. | | | |
| Petroleos Mexicanos..... | Salamanca | 210.0 | ... |
| South America and Caribbean..... | | 6,891.8 | ... |
| Antigua..... | | 16.0 | 100.00 |
| West Indies Oil Co., Ltd..... | | 16.0 | 100.00 |
| 100.00% Antigua Govt. | | | |
| Argentina..... | | 720.5 | 100.00 |
| Astrasur..... | Comodoro Rivadavia | 6.8 | 0.94 |
| 86.00% Argentina De Petroleo S.A. | | | |
| 14.00% Argentine Govt. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|-----------------|---|------------------|
| South America and Caribbean (Continued) | | | |
| Argentina (Continued) | | | |
| Destileria Argentina De Petroleo..... | Lomas De Zamora | 1.8 | 0.25 |
| 100.00% Destileria Argentina De Petroleo | | | |
| Esso SA Petrolera Argentina..... | Compana | 91.9 | 12.76 |
| 100.00% Exxon Corp. | | | |
| Esso SA Petrolera Argentina..... | Galvan | 17.0 | 2.36 |
| 100.00% Exxon Corp. | | | |
| Ragor SAIC..... | Quilmes | 0.6 | 0.08 |
| 100.00% Ragor SAIC | | | |
| Refineria De Petroleo La Isaura..... | Bahia Blanca | 12.6 | 1.75 |
| 100.00% Refineria De Petroleo La Isaura | | | |
| Shell Compania Argentina De Petroleo..... | Buenos Aires | 115.0 | 15.96 |
| 100.00% Royal Dutch/Shell | | | |
| Yacimientos Petroliferos Fiscales..... | Campo Duran | 28.3 | 3.93 |
| 100.00% Argentine Govt. | | | |
| Yacimientos Petroliferos Fiscales..... | Dock Sud | 6.0 | 0.83 |
| 100.00% Argentine Govt. | | | |
| Yacimientos Petroliferos Fiscales..... | La Plata | 289.0 | 40.11 |
| 100.00% Argentine Govt. | | | |
| Yacimientos Petroliferos Fiscales..... | Lujan De Cuyo | 113.2 | 15.71 |
| 100.00% Argentine Govt. | | | |
| Yacimientos Petroliferos Fiscales..... | Plaza Huincul | 5.0 | 0.69 |
| 100.00% Argentine Govt. | | | |
| Yacimientos Petroliferos Fiscales..... | San Lorenzo | 33.3 | 4.63 |
| 100.00% Argentine Govt. | | | |
| Bahamas..... | | 500.0 | 100.00 |
| Bahamas Oil Refining Co..... | Freeport | 500.0 | 100.00 |
| 65.00% New England Petroleum Co. | | | |
| 35.00% Standard Oil Co. of California | | | |
| Barbados..... | | 3.0 | 100.00 |
| Mobil Oil Barbados, Ltd..... | Bridgetown | 3.0 | 100.00 |
| 100.00% Mobil Oil Corp. | | | |
| Bolivia..... | | 25.5 | 100.00 |
| Yacimientos Petroliferos Fiscales Bolivianos..... | Camiri | 1.5 | 5.88 |
| 100.00% Bolivian Govt. | | | |
| Yacimientos Petroliferos Fiscales Bolivianos..... | Cochabamba | 16.5 | 64.71 |
| 100.00% Bolivian Govt. | | | |
| Yacimientos Petroliferos Fiscales Bolivianos..... | Sanandita | 0.5 | 1.96 |
| 100.00% Bolivian Govt. | | | |
| Yacimientos Petroliferos Fiscales Bolivianos..... | Santa Cruz | 3.0 | 11.77 |
| 100.00% Bolivian Govt. | | | |
| Yacimientos Petroliferos Fiscales Bolivianos..... | Sucre | 4.0 | 15.68 |
| 100.00% Bolivian Govt. | | | |
| Brazil..... | | 961.8 | 100.00 |
| Petroleo Brasileiro S.A..... | Betim | 60.5 | 6.29 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Canoas | 60.5 | 0.29 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Capuava | 33.0 | 3.43 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Cubatao | 175.0 | 18.20 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Duque De Caxias | 197.0 | 20.48 |
| 100.00% Brazilian Govt. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|-----------------|---|---------------------|
| South America and Caribbean (Continued) | | | |
| Brazil (Continued) | | | |
| Petroleo Brasileiro S.A..... | Mataripe | 77.0 | 8.00 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Paulina | 330.0 | 34.31 |
| 100.00% Brazilian Govt. | | | |
| Petroleo Brasileiro S.A..... | Paredao | 10.0 | 1.04 |
| 100.00% Brazilian Govt. | | | |
| Refineria De Petroleos De Manguinhos..... | Rio De Janeiro | 9.5 | 0.99 |
| 100.00% Refineria De Petroleos De Manguinhos | | | |
| Refineria De Petroleo Ipiranga..... | Rio Grande | 9.3 | 0.97 |
| 100.00% Refineria De Petroleo Ipiranga | | | |
| Chile..... | | 123.5 | 100.00 |
| Empresa Nacional Del Petroleo..... | Concepcion | 72.0 | 58.30 |
| 100.00% Chilean Govt. | | | |
| Empresa Nacional Del Petroleo..... | Concon | 50.0 | 40.49 |
| 100.00% Chilean Govt. | | | |
| Empresa Nacional Del Petroleo..... | Magallanes | 1.5 | 1.21 |
| 100.00% Chilean Govt. | | | |
| Colombia..... | | 172.1 | 100.00 |
| Colombian Petroleum Co..... | North Santander | 3.0 | 1.74 |
| 50.00% Colombian Govt. | | | |
| 50.00% Texaco Inc. | | | |
| Empresa Colombiana De Petroleos..... | Barrancabermeja | 110.0 | 63.92 |
| 100.00% Colombian Govt. | | | |
| Empresa Colombiana De Petroleos..... | Cartagena | 50.0 | 29.05 |
| 100.00% Colombian Govt. | | | |
| International Petroleum (Colombia), Ltd..... | La Dorada | 5.6 | 3.25 |
| 100.00% Exxon Corp. | | | |
| Texas Petroleum Co..... | El Guamo | 2.5 | 1.45 |
| 100.00% Texaco Inc. | | | |
| Texas Petroleum Co..... | Orita | 1.0 | 0.59 |
| 100.00% Texaco Inc. | | | |
| Costa Rica..... | | 11.0 | 100.00 |
| Refinadora Costarricense De Petroleo..... | Limon | 11.0 | 100.00 |
| 100.00% Costa Rican Govt. | | | |
| Dominican Republic..... | | 45.5 | 100.00 |
| Falconbridge Dominicana..... | Bonao | 15.5 | 34.07 |
| 100.00% Falconbridge Dominicana | | | |
| Refineria Dominicana De Petroleo..... | Nigua | 30.0 | 65.93 |
| 50.00% Dominican Govt. | | | |
| 50.00% Royal Dutch/Shell | | | |
| Ecuador..... | | 44.4 | 100.00 |
| Anglo-Ecuadorian Oilfields, Ltd..... | La Libertad | 30.4 | 68.47 |
| 48.78% Anglo-Ecuadorian Oilfields, Ltd. | | | |
| 51.22% Burmah Oil Co., Ltd. | | | |
| Corporacion Estatal Petrolera Ecuatoriana..... | La Libertad | 5.0 | 11.26 |
| 100.00% Ecuadorian Govt. | | | |
| Petroleos Gulf Del Ecuador..... | La Libertad | 8.0 | 18.02 |
| 100.00% Gulf Oil Corp. | | | |
| Texas Petroleum Co..... | Lago Agrio | 1.0 | 2.25 |
| 100.00% Texaco Inc. | | | |
| El Salvador..... | | 14.0 | 100.00 |
| Refineria Petrolera Acajutla S.A..... | Acajutla | 14.0 | 100.00 |
| 65.00% Exxon Corp. | | | |
| 35.00% Royal Dutch/Shell | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|----------------|---|---------------------|
| South America and Caribbean (Continued) | | | |
| Guatemala..... | | 24.8 | 100.00 |
| Refineria Petrolera De Guatemala-California Inc..... | Puerto Barrios | 10.8 | 43.55 |
| 40.00% Royal Dutch/Shell | | | |
| 60.00% Standard Oil Co. of California | | | |
| Texas Petroleum Co..... | Escuintla | 14.0 | 56.45 |
| 100.00% Texaco Inc. | | | |
| Honduras..... | | 14.0 | 100.00 |
| Refineria Texaco De Honduras..... | Puerto Cortes | 14.0 | 100.00 |
| 33.00% Refineria Texaco De Honduras | | | |
| 67.00% Texaco Inc. | | | |
| Jamaica..... | | 33.0 | 100.00 |
| Esso West Indies Ltd..... | Kingston | 33.0 | 100.00 |
| 100.00% Exxon Corp. | | | |
| Martinique..... | | 10.4 | 100.00 |
| Soc. Anon. Raffinerie Des Antilles..... | Fort De France | 10.4 | 100.00 |
| 25.00% Cie. Francaise Des Petroles | | | |
| 14.50% Exxon Corp. | | | |
| 25.00% French Govt. | | | |
| 24.00% Royal Dutch/Shell | | | |
| 11.50% Texaco Inc. | | | |
| Netherlands Antilles..... | | 900.0 | 100.00 |
| Lago Oil and Transport Co..... | Aruba | 440.0 | 48.89 |
| 100.00% Exxon Corp. | | | |
| Shell Curacao NV..... | Curacao | 460.0 | 51.11 |
| 100.00% Royal Dutch/Shell | | | |
| Nicaragua..... | | 13.2 | 100.00 |
| Esso Standard Oil S.A., Ltd..... | Managua | 13.2 | 100.00 |
| 100.00% Exxon Corp. | | | |
| Panama..... | | 100.0 | 100.00 |
| Refineria Panama S.A..... | Las Minas Bay | 100.0 | 100.00 |
| 100.00% Texaco Inc. | | | |
| Paraguay..... | | 10.0 | 100.00 |
| Refineria Paraguaya S.A..... | Asuncion | 10.0 | 100.00 |
| 100.00% Refineria Paraguaya S.A. | | | |
| Peru..... | | 129.6 | 100.00 |
| Petroleos Del Peru..... | Conchan | 8.5 | 6.56 |
| 100.00% Peruvian Govt. | | | |
| Petroleos Del Peru..... | Iquitos | 1.4 | 1.08 |
| 100.00% Peruvian Govt. | | | |
| Petroleos Del Peru..... | La Pampilla | 37.0 | 28.55 |
| 100.00% Peruvian Govt. | | | |
| Petroleos Del Peru..... | Pucallpa | 2.7 | 2.08 |
| 100.00% Peruvian Govt. | | | |
| Petroleos Del Peru..... | Talara | 80.0 | 61.73 |
| 100.00% Peruvian Govt. | | | |
| Puerto Rico..... | | 283.8 | 100.00 |
| Caribbean Gulf Refining Corp..... | Bayamon | 37.8 | 13.31 |
| 100.00% Gulf Oil Corp. | | | |
| Commonwealth Oil Refining Co..... | Penuelas | 161.0 | 56.73 |
| 63.00% Commonwealth Oil Refining Co. | | | |
| 37.00% Tesoro Petroleum Corp. | | | |
| Yabucoa Sun Oil Co..... | Yabucoa | 85.0 | 29.96 |
| 100.00% Sun Oil Co. | | | |

Table 3

Free World: Crude Oil Refineries and Ownership, by Area (Continued)

| Refinery Name and Ownership | Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|-----------------|--|------------------|
| South America and Caribbean (Continued) | | | |
| Trinidad and Tobago..... | | 461.0 | 100.00 |
| Texaco Trinidad Inc..... | Brighton | 6.0 | 1.30 |
| 100.00% Texaco Inc. | | | |
| Texaco Trinidad Inc..... | Pointe-a-Pierre | 355.0 | 77.00 |
| 100.00% Texaco Inc. | | | |
| Trinidad and Tobago Oil Co., Ltd..... | Point Fortin | 100.0 | 21.70 |
| 100.00% Trinidad/Tobago Govt. | | | |
| Uruguay..... | | 43.0 | 100.00 |
| Ancap..... | La Teja | 43.0 | 100.00 |
| 100.00% Uruguayan Govt. | | | |
| Venezuela..... | | 1,531.7 | 100.00 |
| Chevron Oil Co. of Venezuela..... | Bajo Grande | 61.5 | 4.02 |
| 100.00% Standard Oil Co. of California | | | |
| Cia. Shell De Venezuela..... | Cardon | 348.0 | 22.72 |
| 100.00% Royal Dutch/Shell | | | |
| Cia. Shell De Venezuela..... | San Lorenzo | 32.0 | 2.09 |
| 100.00% Royal Dutch/Shell | | | |
| Corporacion Venezolana Del Petroleo..... | Moron | 30.0 | 1.96 |
| 100.00% Venezuelan Govt. | | | |
| Creole Petroleum Corp..... | Amuay | 630.0 | 41.13 |
| 100.00% Exxon Corp. | | | |
| Creole Petroleum Corp..... | Caripito | 110.0 | 7.18 |
| 100.00% Exxon Corp. | | | |
| Mobil Oil De Venezuela..... | El Palito | 102.0 | 6.66 |
| 100.00% Mobil Oil Corp. | | | |
| Phillips Petroleum Co..... | San Roque | 5.1 | 0.33 |
| 100.00% Phillips Petroleum Co. | | | |
| Sinclair Venezuelan Oil Co..... | Barinas | 5.4 | 0.35 |
| 100.00% Atlantic Richfield Co. | | | |
| Sinclair Venezuelan Oil Co..... | El Chaure | 40.0 | 2.61 |
| 100.00% Atlantic Richfield Co. | | | |
| Texas Petroleum Co..... | Tucupita | 10.0 | 0.65 |
| 100.00% Texaco Inc. | | | |
| Venezuela Gulf Refining Co..... | Puerto La Cruz | 157.7 | 10.30 |
| 66.67% Gulf Oil Corp. | | | |
| 33.33% Texaco Inc. | | | |
| Virgin Islands..... | | 700.0 | 100.00 |
| Hess Oil Virgin Islands Corp..... | | 700.0 | 100.00 |
| 100.00% Amerada Hess Corp. | | | |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|-------------------------------------|--|------------------|
| Middle East..... | 2,965.8 | .... |
| Bahrain..... | 250.0 | 100.00 |
| Standard Oil Co. of California..... | 125.0 | 50.00 |
| Texaco Inc..... | 125.0 | 50.00 |
| Iran..... | 789.0 | 100.00 |
| Iranian Govt..... | 789.0 | 100.00 |
| Iraq..... | 168.5 | 100.00 |
| Iraqi Govt..... | 168.5 | 100.00 |
| Israel..... | 201.0 | 100.00 |
| Israeli Govt..... | 128.6 | 64.00 |
| Oil Refineries, Ltd..... | 72.4 | 36.00 |
| Jordan..... | 21.2 | 100.00 |
| Jordan Petroleum Refining Co..... | 21.2 | 100.00 |
| Kuwait..... | 646.0 | 100.00 |
| Getty Oil Co..... | 50.0 | 7.74 |
| Japanese Interests..... | 24.0 | 3.72 |
| Kuwaiti Govt..... | 437.0 | 67.65 |
| R. J. Reynolds Industries Inc..... | 132.0 | 20.43 |
| Saudi Arabian Govt..... | 3.0 | 0.46 |
| Lebanon..... | 53.5 | 100.00 |
| Lebanese Govt..... | 36.0 | 67.29 |
| Mobil Oil Corp..... | 8.7 | 16.27 |
| Standard Oil Co. of California..... | 4.4 | 8.22 |
| Texaco Inc..... | 4.4 | 8.22 |
| Qatar..... | 6.8 | 100.00 |
| Qatar Govt..... | 6.8 | 100.00 |
| Saudi Arabia..... | 611.0 | 100.00 |
| Exxon Corp..... | 67.8 | 11.10 |
| Mobil Oil Corp..... | 22.6 | 3.70 |
| Saudi Arabian Govt..... | 385.0 | 63.00 |
| Standard Oil Co. of California..... | 67.8 | 11.10 |
| Texaco Inc..... | 67.8 | 11.10 |
| South Yemen..... | 169.1 | 100.00 |
| British Petroleum Co..... | 169.1 | 100.00 |
| Syria..... | 49.7 | 100.00 |
| Syrian Govt..... | 49.7 | 100.00 |
| Africa..... | 1,289.0 | .... |
| Algeria..... | 115.3 | 100.00 |
| Algerian Govt..... | 115.3 | 100.00 |
| Angola..... | 35.7 | 100.00 |
| Gulf Oil Corp..... | 2.8 | 7.84 |
| Petrofina S.A..... | 19.4 | 54.34 |
| Portuguese Govt..... | 13.5 | 37.82 |
| Egypt..... | 180.0 | 100.00 |
| Egyptian Govt..... | 180.0 | 100.00 |
| Ethiopia..... | 14.4 | 100.00 |
| Ethiopian Govt..... | 14.4 | 100.00 |
| Gabon..... | 17.0 | 100.00 |
| British Petroleum Co..... | 0.5 | 3.08 |
| Cameroun Govt..... | 0.9 | 5.00 |
| Central African Republic Govt..... | 0.9 | 5.00 |
| Chad Govt..... | 0.9 | 5.00 |
| Cie. Francaise Des Petroles..... | 3.1 | 18.75 |
| Congo Govt..... | 0.9 | 5.00 |
| French Govt..... | 3.1 | 18.75 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---|------------------------|
| Africa (Continued) | | |
| Gabon (Continued) | | |
| Gabon Govt..... | 0.9 | 5.00 |
| Italian Govt..... | 0.4 | 2.50 |
| Mobil Oil Corp..... | 1.9 | 11.66 |
| Petrofina S.A..... | 0.6 | 3.27 |
| Royal Dutch/Shell..... | 1.9 | 11.39 |
| Texaco Inc..... | 1.0 | 5.60 |
| Ghana..... | 28.0 | 100.00 |
| Ghanaian Govt..... | 14.0 | 50.00 |
| Italian Govt..... | 14.0 | 50.00 |
| Ivory Coast..... | 43.0 | 100.00 |
| British Petroleum Co..... | 4.4 | 10.20 |
| Cie. Francaise Des Petroles..... | 5.6 | 13.00 |
| Exxon Corp..... | 0.4 | 1.00 |
| French Govt..... | 10.8 | 25.00 |
| Ivory Coast Govt..... | 4.3 | 10.00 |
| Mobil Oil Corp..... | 7.8 | 18.20 |
| Royal Dutch/Shell..... | 6.3 | 14.70 |
| Texaco Inc..... | 3.4 | 7.90 |
| Kenya..... | 80.0 | 100.00 |
| British Petroleum Co..... | 10.2 | 12.75 |
| Exxon Corp..... | 10.2 | 12.75 |
| Kenya Govt..... | 40.0 | 50.00 |
| Royal Dutch/Shell..... | 10.2 | 12.75 |
| Standard Oil Co. of California..... | 4.7 | 5.88 |
| Texaco Inc..... | 4.7 | 5.88 |
| Liberia..... | 11.0 | 100.00 |
| Hydrocarbons Research..... | 3.6 | 33.00 |
| Sun Oil Co..... | 7.4 | 67.00 |
| Libya..... | 68.0 | 100.00 |
| Exxon Corp..... | 8.0 | 11.77 |
| Libyan Govt..... | 60.0 | 88.23 |
| Malagasy Republic..... | 15.0 | 100.00 |
| British Petroleum Co..... | 1.1 | 7.50 |
| Cie. Francaise Des Petroles..... | 1.1 | 7.50 |
| Exxon Corp..... | 2.2 | 15.00 |
| French Govt..... | 5.2 | 35.00 |
| Malagasy Republic Govt..... | 2.3 | 15.00 |
| Royal Dutch/Shell..... | 1.1 | 7.50 |
| Standard Oil Co. of California..... | 1.0 | 6.25 |
| Texaco Inc..... | 1.0 | 6.25 |
| Morocco..... | 58.6 | 100.00 |
| Cie. Francaise Des Petroles..... | 0.6 | 1.03 |
| French Govt..... | 3.7 | 6.31 |
| Moroccan Govt..... | 54.3 | 92.66 |
| Mozambique..... | 17.0 | 100.00 |
| Soc. National De Petroleos S.A.R.L..... | 17.0 | 100.00 |
| Nigeria..... | 60.0 | 100.00 |
| British Petroleum Co..... | 12.0 | 20.00 |
| Nigerian Govt..... | 36.0 | 60.00 |
| Royal Dutch/Shell..... | 12.0 | 20.00 |
| Republic of South Africa..... | 397.1 | 100.00 |
| British Petroleum Co..... | 92.5 | 23.29 |
| Cie. Francaise Des Petroles..... | 18.9 | 4.76 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---------------------------------------|--|------------------|
| Africa (Continued) | | |
| Republic of South Africa (Continued) | | |
| Iranian Govt..... | 11.0 | 2.77 |
| Mobil Oil Corp..... | 100.0 | 25.19 |
| Royal Dutch/Shell..... | 92.5 | 23.29 |
| Satmar Ltd..... | 3.1 | 0.78 |
| South African Govt..... | 33.1 | 8.34 |
| Standard Oil Co. of California..... | 23.0 | 5.79 |
| Texaco Inc..... | 23.0 | 5.79 |
| Rhodesia..... | 20.0 | 100.00 |
| British Petroleum Co..... | 4.2 | 20.75 |
| Cie. Francaise Des Petroles..... | 1.0 | 5.00 |
| Kuwait Govt..... | 1.0 | 5.00 |
| Mobil Oil Corp..... | 3.6 | 17.75 |
| R. J. Reynolds Industries..... | 3.0 | 15.00 |
| Royal Dutch/Shell..... | 4.2 | 20.75 |
| Standard Oil Co. of California..... | 1.5 | 7.88 |
| Texaco Inc..... | 1.5 | 7.88 |
| Senegal..... | 15.0 | 100.00 |
| Banque Nat. De Devel. Du Senegal..... | 1.5 | 10.00 |
| British Petroleum Co..... | 1.8 | 11.80 |
| Cie. Francaise Des Petroles..... | 1.8 | 11.80 |
| Exxon Corp..... | 0.1 | 1.00 |
| French Govt..... | 3.5 | 24.00 |
| Mobil Oil Corp..... | 1.8 | 11.80 |
| Royal Dutch/Shell..... | 1.8 | 11.80 |
| Soc. Africaine De Petroles..... | 0.9 | 6.00 |
| Texaco Inc..... | 1.8 | 11.80 |
| Sierra Leone..... | 10.0 | 100.00 |
| British Petroleum Co..... | 0.7 | 6.90 |
| Italian Govt..... | 0.3 | 3.30 |
| Mobile Oil Corp..... | 1.1 | 11.30 |
| Royal Dutch/Shell..... | 1.8 | 17.70 |
| Sierre Leone Govt..... | 5.0 | 50.00 |
| Texaco Inc..... | 1.1 | 10.80 |
| Sudan..... | 22.0 | 100.00 |
| British Petroleum Co..... | 11.0 | 50.00 |
| Royal Dutch/Shell..... | 11.0 | 50.00 |
| Tanzania..... | 16.1 | 100.00 |
| Italian Govt..... | 8.0 | 50.00 |
| Tanzanian Govt..... | 8.1 | 50.00 |
| Tunisia..... | 25.0 | 100.00 |
| Tunisian Govt..... | 25.0 | 100.00 |
| Zaire..... | 16.2 | 100.00 |
| Italian Govt..... | 8.1 | 50.00 |
| Zaire Govt..... | 8.1 | 50.00 |
| Zambia..... | 24.6 | 100.00 |
| Italian Govt..... | 12.3 | 50.00 |
| Zambian Govt..... | 12.3 | 50.00 |
| Far East and Oceania..... | 9,890.4 | ... |
| Australia..... | 722.1 | 100.00 |
| Ampol Petroleum, Ltd..... | 55.0 | 7.62 |
| British Petroleum Co..... | 160.0 | 22.16 |
| Cie. Francaise Des Petroles..... | 20.0 | 2.76 |
| Exxon Corp..... | 50.8 | 7.03 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---|------------------------|
| Far East and Oceania (Continued) | | |
| Australia (Continued) | | |
| Mobil Oil Corp..... | 94.3 | 13.06 |
| Royal Dutch/Shell..... | 147.0 | 20.36 |
| Standard Oil Co. of California..... | 68.5 | 9.49 |
| Standard Oil Co. of Indiana..... | 58.0 | 8.03 |
| Texaco Inc..... | 68.5 | 9.49 |
| Bangladesh..... | 30.5 | 100.00 |
| Burmah Oil Co., Ltd..... | 9.1 | 30.00 |
| Eastern Refinery, Ltd..... | 21.4 | 70.00 |
| Burma..... | 28.3 | 100.00 |
| Burmese Govt..... | 28.3 | 100.00 |
| Cambodia..... | 12.0 | 100.00 |
| Cambodian Govt..... | 7.8 | 65.00 |
| French Govt..... | 4.2 | 35.00 |
| Guam..... | 29.5 | 100.00 |
| Guam Oil and Refining Co..... | 29.5 | 100.00 |
| India..... | 555.1 | 100.00 |
| Burmah Oil Co., Ltd..... | 67.6 | 12.18 |
| Cochin Refineries, Ltd..... | 14.0 | 2.52 |
| Exxon Corp..... | 18.2 | 3.28 |
| Indian Govt..... | 335.8 | 60.49 |
| Iranian Govt..... | 7.3 | 1.32 |
| Phillips Petroleum Co..... | 17.4 | 3.13 |
| Royal Dutch/Shell..... | 55.5 | 10.00 |
| Standard Oil Co. of California..... | 16.0 | 2.88 |
| Standard Oil Co. of Indiana..... | 7.3 | 1.32 |
| Texaco Inc..... | 16.0 | 2.88 |
| Indonesia..... | 423.7 | 100.00 |
| Indonesian Govt..... | 423.7 | 100.00 |
| Japan..... | 5,660.4 | 100.00 |
| Daikyo Oil..... | 195.0 | 3.45 |
| Exxon Corp..... | 252.6 | 4.46 |
| Fuji Kosan..... | 77.6 | 1.37 |
| Fuji Oil..... | 210.0 | 3.71 |
| General Bussan Kaisha..... | 107.5 | 1.90 |
| Getty Oil Co..... | 207.5 | 3.67 |
| Gulf Oil Corp..... | 45.0 | 0.80 |
| Idemitsu Kosan..... | 688.3 | 12.16 |
| Japan Line..... | 35.3 | 0.62 |
| Kansai Oil Co..... | 93.5 | 1.65 |
| Kashima Oil..... | 180.0 | 3.18 |
| Koa Oil Co..... | 114.5 | 2.02 |
| Kyodo Sekiyu K.K..... | 33.3 | 0.59 |
| Kyokuto Petroleum Industries..... | 7.5 | 0.13 |
| Kyushu Oil Co..... | 170.0 | 3.00 |
| Maruzen Oil Co..... | 299.0 | 5.28 |
| Mitsubishi Chemical..... | 159.5 | 2.82 |
| Mitsubishi Group..... | 90.8 | 1.60 |
| Mitsubishi Oil Co., Ltd..... | 207.5 | 3.67 |
| Mitsui and Co..... | 109.7 | 1.94 |
| Mobil Oil Corp..... | 200.1 | 3.54 |
| Nansei Sekiyu..... | 20.0 | 0.35 |
| Nichimo Sekiyu Seisei..... | 30.0 | 0.53 |
| Nihonkai Oil Co..... | 60.0 | 1.06 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|--|------------------|
| Far East and Oceania (Continued) | | |
| Japan (Continued) | | |
| Nippon Mining..... | 249.4 | 4.41 |
| Nippon Oil..... | 311.0 | 5.49 |
| Royal Dutch/Shell..... | 273.0 | 4.82 |
| Seibu Oil..... | 62.7 | 1.11 |
| Showa Oil Co., Ltd..... | 173.5 | 3.07 |
| Standard Oil Co. of California..... | 200.3 | 3.54 |
| Taiyo Oil Co., Ltd..... | 69.0 | 1.22 |
| Teiseki Topping Plant..... | 4.4 | 0.08 |
| Texaco Inc..... | 200.2 | 3.54 |
| Toa Kyoseki Co., Ltd..... | 100.0 | 1.77 |
| Toa Nenryo Kogyo..... | 250.3 | 4.42 |
| Toa Oil..... | 90.0 | 1.59 |
| Toho Oil Co., Ltd..... | 13.4 | 0.23 |
| Tohoku Oil Co..... | 60.0 | 1.06 |
| Toyo Petroleum Refining Co..... | 9.0 | 0.15 |
| Malaysia..... | 126.0 | 100.00 |
| Esso Malaya Berhad..... | 12.2 | 9.68 |
| Exxon Corp..... | 22.8 | 18.10 |
| Royal Dutch/Shell..... | 83.3 | 66.11 |
| Shell Refining Co., Ltd. (Malaya)..... | 7.7 | 6.11 |
| New Zealand..... | 54.0 | 100.00 |
| British Petroleum Co..... | 12.7 | 23.57 |
| Mobil Oil Corp..... | 10.4 | 19.20 |
| New Zealand Refining Co., Ltd..... | 17.0 | 31.52 |
| Royal Dutch/Shell..... | 9.3 | 17.14 |
| Standard Oil Co. of California..... | 2.3 | 4.28 |
| Texaco Inc..... | 2.3 | 4.28 |
| Pakistan..... | 79.2 | 100.00 |
| Attock Oil Co..... | 11.6 | 14.65 |
| Burmah Oil Co., Ltd..... | 8.2 | 10.35 |
| Exxon Corp..... | 10.0 | 12.63 |
| Pakistani Govt..... | 12.6 | 15.91 |
| Pakistan Refinery Ltd..... | 22.0 | 27.77 |
| Royal Dutch/Shell..... | 8.2 | 10.35 |
| Standard Oil Co. of California..... | 3.3 | 4.17 |
| Texaco Inc..... | 3.3 | 4.17 |
| Philippines..... | 274.0 | 100.00 |
| Mobil Oil Corp..... | 46.4 | 16.93 |
| Phillipines Govt..... | 89.6 | 32.70 |
| Royal Dutch/Shell..... | 51.0 | 18.61 |
| Shell Philippines Inc..... | 17.0 | 6.20 |
| Standard Oil Co. of California..... | 35.0 | 12.78 |
| Texaco Inc..... | 35.0 | 12.78 |
| Singapore..... | 1,026.0 | 100.00 |
| British Petroleum Co..... | 26.0 | 2.53 |
| Exxon Corp..... | 230.0 | 22.42 |
| Mobil Oil Corp..... | 175.0 | 17.06 |
| Royal Dutch/Shell..... | 530.0 | 51.66 |
| Singapore Govt..... | 21.7 | 2.11 |
| Standard Oil Co. of Indiana..... | 21.7 | 2.11 |
| Summit Industrial Corp..... | 21.6 | 2.11 |
| South Korea..... | 425.0 | 100.00 |
| Gulf Oil Corp..... | 105.0 | 24.71 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|--|------------------|
| Far East and Oceania (Continued) | | |
| South Korea (Continued) | | |
| Korea Explosives Co..... | 27.5 | 6.47 |
| Lucky Chemical Co..... | 80.0 | 18.82 |
| South Korean Govt..... | 105.0 | 24.71 |
| Standard Oil Co. of California..... | 40.0 | 9.41 |
| Texaco Inc..... | 40.0 | 9.41 |
| Union Oil Co. of California..... | 27.5 | 6.47 |
| Sri Lanka..... | 34.4 | 100.00 |
| Sri Lanka Govt..... | 34.4 | 100.00 |
| Taiwan..... | 244.0 | 100.00 |
| Taiwanese Govt..... | 244.0 | 100.00 |
| Thailand..... | 166.2 | 100.00 |
| Exxon Corp..... | 35.0 | 21.06 |
| Royal Dutch/Shell..... | 19.5 | 11.73 |
| Thailand Govt..... | 66.2 | 39.83 |
| Thai Oil Refinery Co., Ltd..... | 45.5 | 27.38 |
| Western Europe..... | 20,016.9 | .... |
| Austria..... | 220.0 | 100.00 |
| Austrian Govt..... | 220.0 | 100.00 |
| Belgium..... | 1,093.8 | 100.00 |
| British Petroleum Co..... | 160.7 | 14.69 |
| Exxon Corp..... | 265.0 | 24.23 |
| Occidental Petroleum Corp..... | 98.0 | 8.96 |
| Petrofina S.A..... | 160.7 | 14.69 |
| Royal Dutch/Shell..... | 9.4 | 0.86 |
| Standard Oil Co. of California..... | 140.0 | 12.80 |
| Texaco Inc..... | 140.0 | 12.80 |
| Wintershall A.G..... | 120.0 | 10.97 |
| Cyprus..... | 15.0 | 100.00 |
| British Petroleum Co..... | 2.2 | 15.00 |
| Cyprus Govt..... | 5.4 | 35.00 |
| Mobil Oil Corp..... | 3.0 | 20.00 |
| Petrolina Marketing Co..... | 2.2 | 15.00 |
| Royal Dutch/Shell..... | 2.2 | 15.00 |
| Denmark..... | 220.0 | 100.00 |
| Exxon Corp..... | 71.0 | 32.27 |
| Gulf Oil Corp..... | 90.0 | 40.91 |
| Royal Dutch/Shell..... | 59.0 | 26.82 |
| Finland..... | 196.0 | 100.00 |
| Finnish Govt..... | 196.0 | 100.00 |
| France..... | 3,341.7 | 100.00 |
| British Petroleum Co..... | 336.3 | 10.06 |
| Cie. Francaise Des Petroles..... | 575.8 | 17.23 |
| Cie. Francaise De Raffinage..... | 393.5 | 11.78 |
| Esso Standard S.A.F..... | 69.9 | 2.09 |
| Exxon Corp..... | 282.2 | 8.45 |
| French Govt..... | 478.1 | 14.31 |
| Gulf Oil Corp..... | 69.9 | 2.09 |
| Mobil Oil Corp..... | 196.3 | 5.88 |
| Pechelbronn S.A..... | 13.1 | 0.39 |
| Royal Dutch/Shell..... | 560.8 | 16.78 |
| Shell Francaise..... | 78.0 | 2.33 |
| Soc. Francaise Des Petroles BP..... | 130.6 | 3.91 |
| Standard Oil Co. of California..... | 78.6 | 2.35 |
| Texaco Inc..... | 78.6 | 2.35 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---|------------------------|
| Western Europe (Continued) | | |
| Greece..... | 411.0 | 100.00 |
| Exxon Corp..... | 36.5 | 8.88 |
| Greek Govt..... | 98.0 | 23.85 |
| Latsis Group..... | 100.0 | 24.33 |
| Thomas A. Pappas..... | 36.5 | 8.88 |
| Vardinoyannis Group..... | 140.0 | 34.06 |
| Ireland..... | 56.0 | 100.00 |
| British Petroleum Co..... | 9.0 | 16.00 |
| Exxon Corp..... | 22.4 | 40.00 |
| Royal Dutch/Shell..... | 13.4 | 24.00 |
| Texaco Inc..... | 11.2 | 20.00 |
| Italy..... | 3,952.7 | 100.00 |
| Anic SPA..... | 57.3 | 1.45 |
| Anonima Petroli Italiana..... | 81.0 | 2.05 |
| Attilio Monti Group..... | 166.6 | 4.22 |
| Cie. Francaise Des Petroles..... | 196.8 | 4.98 |
| Erg-Raff. Edoardo Garrone..... | 147.0 | 3.72 |
| Exxon Corp..... | 487.9 | 11.83 |
| Gulf Oil Corp..... | 60.0 | 1.52 |
| Industria Leganti Stradali Del Affini..... | 7.9 | 0.20 |
| Iplom-Raffineria Petroli..... | 31.2 | 0.79 |
| Italian Govt..... | 589.3 | 14.90 |
| Liquichimica SPA..... | 12.0 | 0.30 |
| Lombarda Petroli..... | 18.8 | 0.48 |
| Mediterranea SPA..... | 505.0 | 12.78 |
| Mobil Oil Corp..... | 150.0 | 3.79 |
| Montedison SPA..... | 330.0 | 8.35 |
| Petrofina S.A..... | 46.2 | 1.17 |
| Phillips Petroleum Co..... | 9.8 | 0.25 |
| Raffineria Dellepiane..... | 20.0 | 0.51 |
| Raffineria Olii Lubricanti..... | 1.4 | 0.03 |
| Sanquirico SPA..... | 32.5 | 0.82 |
| Saras SPA..... | 360.0 | 9.11 |
| Sarom Raffinazione SPA..... | 332.0 | 8.40 |
| Soc. Italiana Resine..... | 118.8 | 3.00 |
| Soc. Petrolifera Italiana..... | 8.6 | 0.22 |
| Standard Oil Co. of California..... | 79.1 | 2.00 |
| Standard Oil Co. of Indiana..... | 100.0 | 2.53 |
| Texaco Inc..... | 23.5 | 0.60 |
| Netherlands..... | 1,970.5 | 100.00 |
| British Petroleum Co..... | 490.0 | 24.87 |
| Cie. Francaise Des Petroles..... | 130.0 | 6.61 |
| Exxon Corp..... | 325.0 | 16.49 |
| Gulf Oil Corp..... | 94.0 | 4.77 |
| Mobil Oil Corp..... | 125.0 | 6.34 |
| Royal Dutch/Shell..... | 500.0 | 25.37 |
| Smid and Hollander..... | 6.5 | 0.33 |
| Standard Oil Co. of California..... | 205.2 | 10.41 |
| Texaco Inc..... | 94.8 | 4.81 |
| Norway..... | 258.0 | 100.00 |
| British Petroleum Co..... | 29.7 | 11.51 |
| Exxon Corp..... | 113.0 | 43.80 |
| Norsk Hydro..... | 54.0 | 20.93 |
| Raffinor A/S..... | 6.3 | 2.44 |
| Royal Dutch/Shell..... | 55.0 | 21.32 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|-------------------------------------|---|------------------------|
| Western Europe (Continued) | | |
| Portugal..... | 110.0 | 100.00 |
| Portuguese Govt..... | 110.0 | 100.00 |
| Spain..... | 1,165.0 | 100.00 |
| Banco Espanol De Credito..... | 80.0 | 6.87 |
| Cia. Arrendaria Del Petroleos..... | 57.0 | 4.89 |
| Cia. Espanola De Petroleos..... | 348.8 | 29.94 |
| Cia. Iberica Ref. De Petroleos..... | 19.2 | 1.65 |
| Gulf Oil Corp..... | 64.0 | 5.50 |
| Marathon Oil Co..... | 33.6 | 2.88 |
| Spanish Govt..... | 320.3 | 28.35 |
| Spanish Private Interests..... | 70.3 | 6.03 |
| Standard Oil Co. of California..... | 40.9 | 3.51 |
| Texaco Inc..... | 40.9 | 3.51 |
| Union Explosivos Rio Tinto..... | 80.0 | 6.87 |
| Sweden..... | 413.0 | 100.00 |
| British Petroleum Co..... | 110.0 | 26.64 |
| Nynas Petroleum..... | 38.0 | 9.20 |
| Royal Dutch/Shell..... | 100.0 | 24.21 |
| Swedish Cooperative..... | 132.0 | 31.96 |
| Texaco Inc..... | 33.0 | 7.99 |
| Switzerland..... | 138.0 | 100.00 |
| British Petroleum Co..... | 17.8 | 12.90 |
| Cie. Francaise Des Petroles..... | 2.2 | 1.59 |
| Exxon Corp..... | 30.3 | 21.96 |
| Gulf Oil Corp..... | 16.2 | 11.74 |
| Italian Govt..... | 15.9 | 11.52 |
| Petrofina S.A..... | 2.4 | 1.74 |
| Royal Dutch/Shell..... | 48.8 | 35.36 |
| Texaco Inc..... | 4.4 | 3.19 |
| Turkey..... | 315.5 | 100.00 |
| British Petroleum Co..... | 15.3 | 4.85 |
| Marmara Refining Co..... | 4.5 | 1.43 |
| Mobil Oil Corp..... | 45.9 | 14.55 |
| Royal Dutch/Shell..... | 24.3 | 7.70 |
| Turkish Govt..... | 225.5 | 71.47 |
| United Kingdom..... | 2,873.0 | 100.00 |
| Berry Wiggins & Co., Ltd..... | 2.0 | 0.07 |
| British Petroleum Co..... | 623.2 | 21.69 |
| Burmah Oil Co., Ltd..... | 25.3 | 0.88 |
| Cie. Francaise Des Petroles..... | 94.5 | 3.29 |
| Continental Oil Co..... | 87.5 | 3.05 |
| Exxon Corp..... | 700.0 | 24.37 |
| Gulf Oil Corp..... | 103.0 | 3.59 |
| Imperial Chemical Industries..... | 50.0 | 1.74 |
| Mobil Oil Corp..... | 175.0 | 6.09 |
| Petrofina S.A..... | 94.5 | 3.29 |
| Phillips Petroleum Co..... | 56.5 | 1.97 |
| Royal Dutch/Shell..... | 585.0 | 20.36 |
| Standard Oil Co. of Indiana..... | 90.0 | 3.13 |
| Tarmac Darby, Ltd..... | 6.5 | 0.23 |
| Texaco Inc..... | 180.0 | 6.25 |
| West Germany..... | 2,986.7 | 100.00 |
| British Petroleum Co..... | 419.7 | 14.05 |
| Cie. Francaise Des Petroles..... | 21.4 | 0.72 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--------------------------------------|---|------------------------|
| Western Europe (Continued) | | |
| West Germany (Continued) | | |
| Continental Oil Co..... | 12.8 | 0.42 |
| Exxon Corp..... | 532.0 | 17.81 |
| French Govt..... | 57.2 | 1.92 |
| Italian Govt..... | 65.0 | 2.18 |
| Marathon Oil Co..... | 115.4 | 3.86 |
| Mobil Oil Corp..... | 177.0 | 5.93 |
| Occidental Petroleum Corp..... | 27.5 | 0.92 |
| Petrofina S.A..... | 30.2 | 1.01 |
| Royal Dutch/Shell..... | 339.0 | 11.35 |
| Standard Oil Co. of California..... | 45.0 | 1.51 |
| Texaco Inc..... | 207.6 | 6.95 |
| Union Rheinische Braunkohlen..... | 125.0 | 4.19 |
| Veba A.G..... | 616.2 | 20.63 |
| West German Govt..... | 27.6 | 0.92 |
| Wintershall A.G..... | 168.1 | 5.63 |
| Yugoslavia..... | 281.0 | 100.00 |
| Yugoslav Govt..... | 281.0 | 100.00 |
| North America. | 17,867.2 | .... |
| United States..... | 14,995.3 | 100.00 |
| Allied Chemical Corp..... | 9.4 | 0.06 |
| Allied Materials Corp..... | 5.5 | 0.04 |
| Amerada Hess Corp..... | 28.5 | 0.19 |
| American Petrofina Inc..... | 60.0 | 0.40 |
| American Trading and Prod. Co..... | 49.0 | 0.32 |
| Apeco Oil Corp..... | 58.7 | 0.39 |
| Arizona Fuels Corp..... | 4.0 | 0.03 |
| Ashland Oil Inc..... | 386.6 | 2.58 |
| Atlantic Richfield Co..... | 809.8 | 5.40 |
| Bayou State Oil Corp..... | 3.5 | 0.02 |
| Beacon Oil Co..... | 12.0 | 0.08 |
| Big West Oil Co..... | 5.1 | 0.03 |
| British Petroleum Co..... | 109.1 | 0.73 |
| Calumet Industries Inc..... | 2.4 | 0.02 |
| Canal Refining Co..... | 3.5 | 0.02 |
| Caribou Four Corners Oil..... | 7.0 | 0.05 |
| Cenex..... | 41.2 | 0.28 |
| C & H Refinery Inc..... | 0.5 | .... |
| Charter Oil Co..... | 76.4 | 0.51 |
| Cie. Francaise Des Petroles..... | 42.2 | 0.28 |
| Cities Service Co..... | 268.0 | 1.79 |
| Claiborne Gasoline Co..... | 6.8 | 0.05 |
| Coastal States Petrochemical Co..... | 170.0 | 1.13 |
| Clark Oil and Refining..... | 107.0 | 0.71 |
| Colorado Oil and Gas Corp..... | 26.5 | 0.18 |
| Commonwealth United Corp..... | 3.4 | 0.02 |
| Continental Oil Co..... | 373.0 | 2.48 |
| Cooperative Refinery Assoc..... | 73.5 | 0.49 |
| Cross, Henry H. Co..... | 6.0 | 0.04 |
| Crown Central Petroleum Co..... | 51.0 | 0.34 |
| Crystal Oil Co..... | 12.5 | 0.08 |
| Crystal-Princeton Refining Co..... | 4.3 | 0.03 |
| Crystal Refining Co..... | 6.2 | 0.04 |
| Diamond Shamrock Corp..... | 48.3 | 0.32 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---|------------------------|
| North America (Continued) | | |
| United States (Continued) | | |
| Dorchester Gas Prod. Co..... | 1.0 | 0.01 |
| Dow Chemical Co..... | 32.0 | 0.21 |
| Earth Resources Inc..... | 43.9 | 0.29 |
| Eddy Refining Co..... | 3.3 | 0.02 |
| Edgington Oil Co..... | 29.5 | 0.20 |
| Edginton Oxnard Asphalt Co..... | 2.5 | 0.02 |
| Evangeline Refining Co., Inc..... | 4.0 | 0.03 |
| Exxon Corp..... | 1,263.0 | 8.42 |
| Famariss Oil and Refining Co..... | 42.0 | 0.28 |
| Fletcher Oil and Refining Co..... | 19.2 | 0.13 |
| Flint Chemical Co..... | 1.2 | 0.01 |
| Gary Western Co..... | 9.5 | 0.06 |
| Gastown Inc..... | 29.5 | 0.20 |
| Getty Oil Co..... | 197.0 | 1.31 |
| Gladieux Refining Co..... | 8.5 | 0.06 |
| Gulf Oil Corp..... | 866.3 | 5.77 |
| Gulf States Oil and Refining Co..... | 4.4 | 0.03 |
| Hawaiian Independent Refining Inc..... | 21.6 | 0.14 |
| Howell Hydrocarbons Inc..... | 3.6 | 0.02 |
| Hunt Oil Co..... | 18.0 | 0.12 |
| Husky Oil, Ltd..... | 57.3 | 0.38 |
| Indiana Farm Bureau Coop. Assoc..... | 18.0 | 0.12 |
| J and W Refining Inc..... | 9.7 | 0.07 |
| Kern County Refinery..... | 9.5 | 0.06 |
| Kerr-McGee Corp..... | 57.7 | 0.39 |
| Kewanee Oil Co..... | 4.5 | 0.03 |
| Koch Industries Inc..... | 109.8 | 0.73 |
| La Jet Inc..... | 11.0 | 0.07 |
| Lakeside Refining Co..... | 5.3 | 0.04 |
| Laketon Asphalt Refining Co..... | 8.5 | 0.06 |
| Little America Stations Inc..... | 24.3 | 0.16 |
| Lunday-Thagard Oil Co..... | 5.4 | 0.04 |
| Major Oil Corp..... | 8.0 | 0.05 |
| Marathon Oil Co..... | 324.0 | 2.16 |
| Marion Corp..... | 17.3 | 0.12 |
| McMillan Ring-Free Oil Co..... | 16.7 | 0.11 |
| Mid-America Refining Co..... | 3.1 | 0.02 |
| Midlands Cooperatives Inc..... | 19.0 | 0.13 |
| Mid-Tex Refinery..... | 2.6 | 0.02 |
| Mobil Oil Corp..... | 893.5 | 5.96 |
| Monsanto Co..... | 47.0 | 0.31 |
| Mountaineer Refining Co., Inc..... | 0.3 | .... |
| Murphy Oil Corp..... | 137.5 | 0.92 |
| National Coop. Refining Assoc..... | 54.2 | 0.36 |
| Navajo Refining Co..... | 30.0 | 0.20 |
| North American Petroleum Corp..... | 10.0 | 0.07 |
| Northland Oil and Refining Co..... | 5.0 | 0.03 |
| Oil Shale Co..... | 40.0 | 0.27 |
| Oklahoma Cement Co..... | 25.0 | 0.17 |
| Pacific Resources Inc..... | 23.4 | 0.16 |
| Paseo Inc..... | 48.6 | 0.32 |
| Pauley Petroleum Co..... | 11.5 | 0.08 |
| Pennzoil United Inc..... | 62.3 | 0.42 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--------------------------------------|---|---------------------|
| North America (Continued) | | |
| United States (Continued) | | |
| Petrofina S.A..... | 140.0 | 0.93 |
| Phillips Petroleum Co..... | 408.0 | 2.72 |
| Plateau Inc..... | 7.5 | 0.05 |
| Powerine Oil Co..... | 46.0 | 0.31 |
| Pride Refining Inc..... | 36.5 | 0.24 |
| Quaker State Oil Refining Corp..... | 24.5 | 0.16 |
| Quintana-Howell Joint Venture..... | 44.4 | 0.30 |
| Refinery Corp..... | 20.5 | 0.14 |
| Reserve Oil and Gas Co..... | 22.1 | 0.15 |
| Road Oil Sales Inc..... | 1.5 | 0.01 |
| Rock Island Refining Corp..... | 29.5 | 0.20 |
| Royal Dutch/Shell..... | 797.7 | 5.32 |
| Sabre Refining Inc..... | 3.5 | 0.02 |
| Sage Creek Refining Co..... | 1.2 | 0.01 |
| San Joaquin Refining Co..... | 29.3 | 0.20 |
| Seminole Asphalt Refining Co..... | 5.7 | 0.03 |
| Shell Oil Co..... | 358.3 | 2.39 |
| Skelly Oil Co..... | 21.7 | 0.14 |
| Somerset Refinery Inc..... | 3.0 | 0.02 |
| South Hampton Co..... | 30.1 | 0.20 |
| Southwestern Refining Co..... | 114.3 | 0.76 |
| Standard Oil Co. of California..... | 1,024.0 | 6.83 |
| Standard Oil Co. of Indiana..... | 1,115.0 | 7.44 |
| Standard Oil Co. of Ohio..... | 323.2 | 2.16 |
| Sunland Refining Corp..... | 15.0 | 0.10 |
| Sun Oil Co..... | 484.0 | 3.23 |
| Tenneco Inc..... | 106.2 | 0.71 |
| Tesoro Petroleum Corp..... | 76.0 | 0.51 |
| Texaco Inc..... | 1,098.0 | 7.32 |
| Texas Asphalt and Refining Co..... | 6.0 | 0.04 |
| Texas City Refining Inc..... | 76.5 | 0.51 |
| Texas Eastern Transmission Corp..... | 28.5 | 0.19 |
| Texas Fuel and Asphalt Co..... | 1.0 | 0.01 |
| Thrift Way Inc..... | 1.6 | 0.01 |
| Tonkawa Refining Co..... | 6.0 | 0.04 |
| Toro Petroleum Corp..... | 36.0 | 0.24 |
| Ultramar Co., Ltd..... | 13.0 | 0.09 |
| Union Oil Co. of California..... | 495.0 | 3.30 |
| Union Pacific Corp..... | 152.1 | 1.01 |
| United Refining Co..... | 61.5 | 0.41 |
| U.S. Oil and Refining Co..... | 18.5 | 0.12 |
| V-1 Oil Co..... | 3.0 | 0.02 |
| Vermont Gas Systems Inc..... | 21.0 | 0.14 |
| Vickers Petroleum Corp..... | 32.5 | 0.22 |
| Warrior Asphalt Co..... | 3.0 | 0.02 |
| Warrior Oil Co..... | 5.0 | 0.03 |
| West Coast Oil Co..... | 15.0 | 0.10 |
| Westland Oil Co..... | 5.0 | 0.03 |
| Winston Refining Co..... | 20.0 | 0.13 |
| Wireback Oil Co..... | 1.5 | 0.01 |
| Witco Chemical Co..... | 30.0 | 0.20 |
| Yetter Oil Co..... | 1.0 | 0.01 |
| Young Refining Corp..... | 5.0 | 0.03 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|---|---|------------------------|
| North America (Continued) | | |
| Canada | 2,111.9 | 100.00 |
| Canada | 48.3 | 2.29 |
| BP Refinery Canada, Ltd..... | 93.7 | 4.43 |
| British Petroleum Co..... | 25.0 | 1.18 |
| Consumers Cooperative Refining Inc..... | 387.0 | 18.33 |
| Exxon Corp..... | 112.5 | 5.32 |
| Gulf Oil Canada, Ltd..... | 245.7 | 11.63 |
| Gulf Oil Corp..... | 11.2 | 0.53 |
| Husky Oil, Ltd..... | 165.8 | 7.85 |
| Imperial Oil, Ltd..... | 65.0 | 3.08 |
| Irving Oil, Ltd..... | 5.7 | 0.27 |
| Pacific Petroleum, Ltd..... | 31.6 | 1.50 |
| Petrofina Canada, Ltd..... | 61.4 | 2.91 |
| Petrofina S.A..... | 5.3 | 0.25 |
| Phillips Petroleum Corp..... | 264.5 | 12.52 |
| Royal Dutch/Shell..... | 100.0 | 4.74 |
| Shaheen Natural Resources Co..... | 39.5 | 1.87 |
| Shell Canada, Ltd..... | 87.0 | 4.12 |
| Standard Oil Co. of California..... | 80.0 | 3.79 |
| Sun Oil Co..... | 36.0 | 1.71 |
| Texaco Canada, Ltd..... | 124.0 | 5.87 |
| Texaco Inc..... | 115.0 | 5.44 |
| Ultramar Co., Ltd..... | 6.7 | 0.32 |
| Union Oil Co. of California..... | 1.0 | 0.05 |
| Union Oil Co. of Canada..... | 760.0 | 100.00 |
| Mexico | 760.0 | 100.00 |
| Mexican Govt..... | 6,891.8 | .... |
| South America and Caribbean | | |
| Antigua | 16.0 | 100.00 |
| Antigua Govt..... | 16.0 | 100.00 |
| Argentina | 720.5 | 100.00 |
| Argentina De Petroleo S.A..... | 5.8 | 0.81 |
| Argentine Govt..... | 475.8 | 66.04 |
| Destileria Argentina De Petroleo..... | 1.8 | 0.25 |
| Exxon Corp..... | 108.9 | 15.12 |
| Ragor Saic..... | 0.6 | 0.08 |
| Ref. De Petroleo La Isaura..... | 12.6 | 1.75 |
| Royal Dutch/Shell..... | 115.0 | 15.95 |
| Bahamas | 500.0 | 100.00 |
| New England Petroleum Co..... | 325.0 | 65.00 |
| Standard Oil Co. of California..... | 175.0 | 35.00 |
| Barbados | 3.0 | 100.00 |
| Mobil Oil Corp..... | 3.0 | 100.00 |
| Bolivia | 25.5 | 100.00 |
| Bolivian Govt..... | 25.5 | 100.00 |
| Brazil | 961.8 | 100.00 |
| Brazilian Govt..... | 943.0 | 98.04 |
| Ref. De Petroleo Ipiranga..... | 9.3 | 0.97 |
| Ref. De Petroles De Manguinhos..... | 9.5 | 0.99 |
| Chile | 123.5 | 100.00 |
| Chilean Govt..... | 123.5 | 100.00 |
| Colombia | 172.1 | 100.00 |
| Colombian Govt..... | 161.5 | 93.84 |
| Exxon Corp..... | 5.6 | 3.25 |
| Texaco Inc..... | 5.0 | 2.91 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|--|------------------|
| South America and Caribbean (Continued) | | |
| Costa Rica..... | 11.0 | 100.00 |
| Costa Rican Govt..... | 11.0 | 100.00 |
| Dominican Republic..... | 45.5 | 100.00 |
| Dominican Govt..... | 15.0 | 32.97 |
| Falconbridge Dominicana..... | 15.5 | 34.06 |
| Royal Dutch/Shell..... | 15.0 | 32.97 |
| Ecuador..... | 44.4 | 100.00 |
| Anglo-Ecuadorean Oilfields..... | 14.8 | 33.33 |
| Burmah Oil Co., Ltd..... | 15.6 | 35.14 |
| Ecuadorean Govt..... | 5.0 | 11.26 |
| Gulf Oil Corp..... | 8.0 | 18.02 |
| Texaco Inc..... | 1.0 | 2.25 |
| El Salvador..... | 14.0 | 100.00 |
| Exxon Corp..... | 9.1 | 65.00 |
| Royal Dutch/Shell..... | 4.9 | 35.00 |
| Guatemala..... | 24.8 | 100.00 |
| Royal Dutch/Shell..... | 4.3 | 17.34 |
| Standard Oil Co. of California..... | 6.5 | 26.21 |
| Texaco Inc..... | 14.0 | 56.45 |
| Honduras..... | 14.0 | 100.00 |
| Ref. Texaco De Honduras..... | 4.6 | 33.00 |
| Texaco..... | 9.4 | 67.00 |
| Jamaica..... | 33.0 | 100.00 |
| Exxon Corp..... | 33.0 | 100.00 |
| Martinique..... | 10.4 | 100.00 |
| Cie. Francaise Des Petroles..... | 2.6 | 25.00 |
| Exxon Corp..... | 1.5 | 14.50 |
| French Govt..... | 2.6 | 25.00 |
| Royal Dutch/Shell..... | 2.5 | 24.00 |
| Texaco Inc..... | 1.2 | 11.50 |
| Netherlands Antilles..... | 900.0 | 100.00 |
| Exxon Corp..... | 440.0 | 48.89 |
| Royal Dutch/Shell..... | 460.0 | 51.11 |
| Nicaragua..... | 13.2 | 100.00 |
| Exxon Corp..... | 13.2 | 100.00 |
| Panama..... | 100.0 | 100.00 |
| Texaco Inc..... | 100.0 | 100.00 |
| Paraguay..... | 10.0 | 100.00 |
| Refineria Paraguaya S.A..... | 10.0 | 100.00 |
| Peru..... | 129.6 | 100.00 |
| Peruvian Govt..... | 129.6 | 100.00 |
| Puerto Rico..... | 283.8 | 100.00 |
| Commonwealth Oil Refining Co..... | 101.4 | 35.73 |
| Gulf Oil Corp..... | 37.8 | 13.32 |
| Sun Oil Co..... | 85.0 | 29.95 |
| Tesoro Petroleum Corp..... | 59.6 | 21.00 |
| Trinidad and Tobago..... | 461.0 | 100.00 |
| Texaco Inc..... | 361.0 | 78.31 |
| Trinidad and Tobago Govt..... | 100.0 | 21.69 |
| Uruguay..... | 43.0 | 100.00 |
| Uruguayan Govt..... | 43.0 | 100.00 |
| Venezuela..... | 1,531.7 | 100.00 |
| Atlantic Richfield Co..... | 45.4 | 2.96 |
| Exxon Corp..... | 740.0 | 48.32 |

Table 4

Free World: Company Crude Oil Refining Capacity, By Area (Continued)

| Location | Crude Capacity (Thousand Barrels Per Day) | Percent of Total |
|--|---|------------------------|
| South America and Caribbean (Continued) | | |
| Venezuela (Continued) | | |
| Gulf Oil Corp..... | 105.1 | 6.86 |
| Mobil Oil Corp..... | 102.0 | 6.66 |
| Phillips Petroleum Co..... | 5.1 | 0.33 |
| Royal Dutch/Shell..... | 380.0 | 24.81 |
| Standard Oil Co. of California..... | 61.5 | 4.01 |
| Texaco Inc..... | 62.6 | 4.09 |
| Venezuelan Govt..... | 30.0 | 1.96 |
| Virgin Islands..... | 700.0 | 100.00 |
| Amerada Hess Corp..... | 700.0 | 100.00 |